MIDDLEBURY COLLEGE BULLETIN

Women's Catalogue Number

1933 — 1934

Session

October, 1933

Middlebury, Vermont

Middlebury College Bulletin

Volume XXVIII October, 1933 No. 2

Women's Catalogue Number for the 1933-34 Session

One hundred and thirty-fourth year

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MIDDLEBURY COLLEGE PRESS

W. STORRS LEE, Editor

CALENDAR FOR 1933-1934

1933

September

14-16—Thursday-Saturday, Entrance Examinations.

18-20—Monday-Wednesday, Registration Days and Freshman Week.

21 —Thursday (9.30 A.M.), President's Address, Mead Memorial Chapel.

22 —Friday (8.00 A.M.), Recitations begin.

November

11 —Saturday, Alumni Homecoming Day.

18 —Saturday, Football Holiday.

30 —Thursday, Thanksgiving Holiday.

December

15 —Friday (11.00 A.M.) } Christmas Recess.

1934

January

3 —Wednesday (8.30 A.M.) }

23-26—Tuesday-Friday, Mid-year Examinations.

26 —Friday, First Semester ends.

29 —Monday, Second Semester begins.

February

12 —Monday, Lincoln's Birthday Holiday.

March

23 —Friday (11.00 A.M.) } Spring Recess.

April

3 —Tuesday (8.30 A.M.) }

May

10 —Thursday (12.30 P.M.) } Junior Week.

11-12—Friday, Saturday }

21-26—Monday-Saturday, Comprehensive Examinations for Seniors.

28-29—Monday, Tuesday, Final Examinations.

30 —Wednesday, Memorial Day Holiday.

31 —Thursday } Final Examinations (cont'd).

June

7 —Thursday }

9 —Saturday, Class Day.

10 —Sunday, Baccalaureate.

11 —Monday, Commencement.

1933

JULY

S	M	T	W	T	F	S
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..
..	..	..	..	..	..	..

AUG.

S	M	T	W	T	F	S
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..
..	..	..	..	..	..	..

SEPT.

S	M	T	W	T	F	S
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
..	..	..	..	..	..	..

OCT.

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..
..	..	..	..	..	..	..

NOV.

S	M	T	W	T	F	S
..	..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	..	..
..	..	..	..	..	..	..

DEC.

S	M	T	W	T	F	S
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

1934

JAN.

S	M	T	W	T	F	S
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..
..	..	..	..	..	..	..

FEB.

S	M	T	W	T	F	S
..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	..	..	..
..	..	..	..	..	..	..

MAR.

S	M	T	W	T	F	S
..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
..	..	..	..	..	..	..

APR.

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	..	..	..	..	..
..	..	..	..	..	..	..

MAY

S	M	T	W	T	F	S
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..
..	..	..	..	..	..	..

JUNE

S	M	T	W	T	F	S
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
..	..	..	..	..	..	..

CALENDAR FOR 1934-1935

1934							1935						
JULY							JAN.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	..	..	1	2	3	4	5
8	9	10	11	12	13	14	6	7	8	9	10	11	12
15	16	17	18	19	20	21	13	14	15	16	17	18	19
22	23	24	25	26	27	28	20	21	22	23	24	25	26
29	30	31	..	..	..	..	27	28	29	30	31	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..
AUG.							FEB.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	1	2	3	4	..	..	..	..	..	1	2
5	6	7	8	9	10	11	3	4	5	6	7	8	9
12	13	14	15	16	17	18	10	11	12	13	14	15	16
19	20	21	22	23	24	25	17	18	19	20	21	22	23
26	27	28	29	30	31	..	24	25	26	27	28	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..
SEPT.							MAR.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	..	..	..	1	..	..	..	..	..	1	2
2	3	4	5	6	7	8	3	4	5	6	7	8	9
9	10	11	12	13	14	15	10	11	12	13	14	15	16
16	17	18	19	20	21	22	17	18	19	20	21	22	23
23	24	25	26	27	28	29	24	25	26	27	28	29	30
30	..	..	..	..	..	..	31	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..
OCT.							APR.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	1	2	3	4	5	6	..	1	2	3	4	5	6
7	8	9	10	11	12	13	7	8	9	10	11	12	13
14	15	16	17	18	19	20	14	15	16	17	18	19	20
21	22	23	24	25	26	27	21	22	23	24	25	26	27
28	29	30	31	..	..	..	28	29	30	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..
NOV.							MAY						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	..	1	2	3	..	..	..	1	2	3	4
4	5	6	7	8	9	10	5	6	7	8	9	10	11
11	12	13	14	15	16	17	12	13	14	15	16	17	18
18	19	20	21	22	23	24	19	20	21	22	23	24	25
25	26	27	28	29	30	..	26	27	28	29	30	31	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..
DEC.							JUNE						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	..	..	..	1	..	..	..	..	..	..	1
2	3	4	5	6	7	8	2	3	4	5	6	7	8
9	10	11	12	13	14	15	9	10	11	12	13	14	15
16	17	18	19	20	21	22	16	17	18	19	20	21	22
23	24	25	26	27	28	29	23	24	25	26	27	28	29
30	31	..	..	..	..	..	30	..	..	..	..	..	..

1934

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April

2 —Tuesday (8.30 A.M.) }

May

9 —Thursday (12.30 P.M.) } Junior Week.

10-11—Friday, Saturday }

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30 —Thursday, Memorial Day Holiday.

31 —Friday } Final Examinations (cont'd).

June

6 —Thursday }

8 —Saturday, Class Day.

9 —Sunday, Baccalaureate.

10 —Monday, Commencement.

CORRESPONDENCE

All inquiries regarding admission should be addressed to Miss Frances H. C. Warner, Director of Admissions, who will supply catalogues and information for prospective students.

Correspondence with regard to the summer Language Schools should be addressed to Mrs. Pamelia S. Powell, Secretary and Recorder of the Summer Session.

The following bulletins are supplied by the Office of the College Editor: The College Directory, containing the address list of students, faculty, officers, and secretaries; The Romance Languages; The German School; Casa Italiana; The Bread Loaf School of English; Bread Loaf Writers' Conference; President's Report; The College Sketch Book, volume of college illustrations; The Environs of Middlebury; Guide to the Vicinity of Bread Loaf and Middlebury; and Map of Battell Forest.

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Vice-President, Macmillan Company

FRANK L. BELL — *Crown Point, N. Y.*
Lawyer

ALBERT D. MEAD, A.M., PH.D., SC.D. — *Providence, R. I.*
Vice-President, Brown University

CHARLES A. MUNROE, A.B. — *Chicago, Ill.*
Lawyer

*CARL A. MEAD, A.B., LL.B. — *New York, N. Y.*
Lawyer, Shearman and Sterling

*HOMER L. SKEELS, B.S. — *Montpelier*
President, Montpelier and Wells River Railroad

*J. EARLE PARKER, B.S., LL.B., LL.M. — *Boston, Mass.*
Treasurer, Acadia Mills

*ELLSWORTH C. LAWRENCE, B.S. — *Malone, N. Y.*
Franklin Co. Judge and Surrogate

*SAMUEL B. PETTINGILL, A.B., LL.B. — *South Bend, Ind.*
Member of Congress, Third Congressional District of Indiana

J. J. FRITZ, B.S.
Business Manager and Treasurer

* Elected on nomination by the Alumni.

COMMITTEES OF THE CORPORATION

PRUDENTIAL COMMITTEE

Redfield Proctor — Frank C. Partridge
President Paul D. Moody — Sanford H. Lane
John E. Weeks — Bert L. Stafford
Frank L. Bell

FINANCE COMMITTEE

Albert H. Wiggin — Frank C. Partridge
James M. Gifford — Hall P. McCullough
Elbert S. Brigham — Charles A. Munroe

COMMITTEE ON WALKER FURLOUGH AND EMERGENCY FUND

President Paul D. Moody — J. J. Fritz
Ernest C. Bryant‡

COMMITTEE ON BATTELL FOREST

_____ — Charles A. Munroe
Frank L. Bell — Bert L. Stafford
Homer L. Skeels

COMMITTEE ON SUMMER SCHOOLS

Redfield Proctor — Ellsworth C. Lawrence
Allen Nelson — Carl A. Mead

COMMITTEE ON WOMEN'S COLLEGE

Allen H. Nelson — Charles A. Munroe
Elbert S. Brigham — Carl A. Mead
James L. Barton

ADVISORY BOARD ON WOMEN'S COLLEGE

Miss Gertrude E. Cornish‖ — Miss Marion Gary
Miss Agnes Murdoch‖ — James L. Barton°
Mrs. George H. V. Allen — Allen H. Nelson°

Note: The first on list is Chairman. ‖ Representing the Alumnæ.
‡ Representing the Faculty. ° Representing the Trustees.

FACULTY AND OFFICERS

PAUL DWIGHT MOODY, D.D., LL.D. *President (1921)*	3 South Street
ELEANOR SYBIL ROSS, A.B., A.M. *Dean of the Women's College (1915)*	6 Storrs Avenue
CHARLES ALBERTUS ADAMS, B.S., A.M. *Professor of Education (1923)*	On leave
CHAUNCY CORBIN ADAMS, D.D. *Lecturer in Bible (1931)*	2 Pleasant Street
RAYMOND LIVINGSTON BARNEY, SC.M., PH.D. *Professor of Biology (1924)*	5 Storrs Avenue
†BENJAMIN HARLOW BECK, A.B. *Professor of Physical Education and Coach of Varsity Football and Basketball (1928)*	33 South Street
DOUGLAS STOWE BEERS, PH.D. *Professor of English (1925)*	27 Weybridge Street
LEA BINAND, BRÉVET SUPÉRIEUR *Assistant Professor of French (1929)*	Château
JEAN BOORSCH, *Assistant Professor of French (1930)*	105 South Main Street
†JOHN GERALD BOWKER, B.S., ED.M. *Assistant Professor of Mathematics (1926)*	Adirondack View
MARY NARCISSA BOWLES, A.M. *Instructor in Home Economics and Assistant Dietitian (1924)*	Battell Cottage
JENNIE HANNAH BRISTOL *Registrar (1912)*	36 Washington Street
†ARTHUR MILTON BROWN, A.B. *Professor of Physical Education and Director of Athletics (1918)*	126 Main Street
PHILIP M. BROWN, A.M., PH.D. *Assistant Professor of Economics (1933)*	122 Main Street
RICHARD LINDLEY BROWN, A.M. *Instructor in English (1931)*	112 Main Street

Note: The dates in parentheses refer to the year of first appointment.
† Does not instruct women.

ERNEST CALVIN BRYANT, S.B., SC.D.
Baldwin Professor of Physics (1895) — 13 South Street

WILLIAM SARGENT BURRAGE, PH.D.
Professor of Greek Language and Literature (1903) — 3 Storrs Avenue

FRANK WILLIAM CADY, A.M., B.LITT. (OXON.)
Professor of English (1909) — 47 South Street

JUAN CENTENO, A.B., M.D.
Professor of Spanish and Dean of the Spanish School (1931) — 60 Washington Street

REGINALD LANSING COOK, A.B., A.M., B.A. (OXON.)
Professor of American Literature (1929) — 121 Main Street

ELLSWORTH BEDINGER CORNWALL, B.A., LL.B.
Professor of Political Science (1928) — Deermeadow Farm

ALFRED MITCHELL DAME, A.M.
Professor of Latin (1928) — 22 South Street

JOHN PERLEY DAVISON, A.M.
Associate Professor of History (1923) — 55 North Pleasant Street

HARRY MOORE FIFE, A.B., A.M.
Professor of Economics (1925) — On leave

PRUDENCE HOPKINS FISH, B. OF MUSIC
Assistant Professor of Music (1924) — Vergennes

STEPHEN ALBERT FREEMAN, PH.D.
Professor of French and Dean of the French School (1925) — 24 South Street

JAY JACOB FRITZ, B.S.
Treasurer and Business Manager (1924) — 77 Main Street

IDA VIRGINIA GIBSON, B.S., M.A.
Instructor in Home Economics (1933) — Wilcox House

VINCENT SPENCER GOODREDS, A.B.
Associate Professor of Drama and Public Speaking (1928) — 89 Main Street

JOHN FESSLER HALLER, B. OF CHEM.
Assistant Professor of Chemistry (1925) — Hillcrest Avenue

LANSING VAN DER HEYDEN HAMMOND, PH.B.
Instructor in English (1930) — Hepburn Hall

VERNON CHARLES HARRINGTON, L.H.D.
Boardman Professor of Philosophy (1913) — 4 Storrs Avenue

LEWIS JACKSON HATHAWAY, MUS. BAC.
Professor of Music (1916) — 135 Main Street

MINNIE HAYDEN
Instructor Emeritus in Music (1921) — East Middlebury

BURT ALDEN HAZELTINE, B.S., A.M.
Dean of the Men's College and Professor of Mathematics (1924) — 18 Battell Block

ROBERT DUGALD HOPE, LL.B.
Assistant Secretary and Assistant Treasurer (1914) — 59 Court Street

FRANK EUGENE HOWARD, A.M., PH.D.
Professor of Education and Psychology (1915) — 1 South Street

JULIUS STANTON KINGSLEY, A.M., M.SC., PED.M.
Professor of Education and Social Institutions (1921) — 16 Court Street

ALLEN MARSHALL KLINE, PH.D.
Proctor Professor of American History (1920) — 18 Pleasant Street

CLARA BLANCHE KNAPP, A.M.
Professor of Home Economics (1922) — The Homestead

ALFRED LARSEN
Instructor in Violin (1920) — Burlington

WILLIAM STORRS LEE, A.B.
College Editor and Instructor in English (1930) — 33 Weybridge Street

SAMUEL EARL LONGWELL, PH.D.
Burr Professor of Biology (1919) — Hillcrest Avenue

WILLIAM WESLEY MCGILTON, A.M., SC.D.
Professor Emeritus of Chemistry (1892) — 21 College Street

LAILA ADELAIDE MCNEIL, A.B.
Librarian (1913) — 13 Elm Street

ROSE ELEANOR MARTIN, A.B., A.M.
Assistant Professor of Spanish (1928) — Hillside Cottage

WILLIS GRAFTON NEALLY, A.B., M.A.
Instructor in Political Science (1931) — Middlebury Inn

†WALTER JOHN NELSON, B.S.
Assistant in Physical Education, Freshman Football Coach, Varsity Coach in Baseball and Hockey (1932)

WERNER NEUSE, PH.D.
Associate Professor of German and Assistant Director of the German School (1932) — 29 Seminary Street

FRANÇOISE NOLLET
Assistant Professor of French (1932) — Château

† Does not instruct women.

HARRY GODDARD OWEN, A.B., A.M.
Associate Professor of English, Assistant Dean of Bread Loaf School of English (1926) — 3 Storrs Avenue

LLEWELLYN ROOD PERKINS, A.B., B.S., A.M.
Professor of Mathematics (1914) — Hillcrest Avenue

PERLEY CHESMAN PERKINS, A.M.
Assistant Professor of English (1923) — Adirondack View

JAMES STUART PRENTICE, A.B., A.M.
Assistant Professor of Economics (1931) — 28 High Street

ALBERT RANTY, B.S., A.M.
Associate Professor of French (1925) — 52 Pleasant Street

MARY SEELYE ROSEVEAR, B.S.
Instructor in Physical Education (1924) — Weybridge House

PAUL RUSBY, A.B., A.M.
Assistant Professor of Economics (1930) — Daniel Chipman Park

MYRON REED SANFORD, A.M., L.H.D.
Professor Emeritus of Latin Language and Literature (1894) — 1875 Park Avenue, Bridgeport, Conn.

BRUNO MORITZ SCHMIDT, A.B., A.M.
Associate Professor of Geology (1925) — Daniel Chipman Park

MARIAN SEAVER
Instructor in Music (1933) — 46 High Street

RUSSELL GEORGE SHOLES, A.B., A.M.
Associate Professor of Sociology (1927) — Adirondack View

EVERETT SKILLINGS, A.M.
Professor of German (1909) — 41 South Street

PHELPS NASH SWETT, S.B., A.M.
Professor of Geography and Graphics (1909) — 49 South Street

RUTH WOOD TEMPLE, A.B.
Assistant Dean of Women (1922) — Pearsons Hall

PERLEY CONANT VOTER, A.M.
Professor of Chemistry (1912) — 20 College Street

FRANCES H. C. WARNER, A.B.
Director of Admissions for Women and Alumnae Secretary (1930) — 23 Weybridge Street

RAYMOND HENRY WHITE, A.M.
Professor of Latin (1909) — Hillcrest Avenue

† Does not instruct women.

EDGAR JOLLS WILEY, B.S., ED.M.
Director of Admissions and Personnel for Men and Alumni Secretary (1913) — 21 South Street

ELLEN ELIZABETH WILEY, A.B.
Associate Professor of Mathematics (1923) — 120 Main Street

BENJAMIN FRANKLIN WISSLER, B.S., A.M.
Instructor in Physics and Mathematics (1930) — 109 South Main Street

ENNIS BRYAN WOMACK, PH.D.
Assistant Professor of Chemistry (1930) — 34 Weybridge Street

CHARLES BAKER WRIGHT, A.M., LITT.D.
Professor Emeritus of Rhetoric and English Literature (1885) — 2 Storrs Avenue

MARION LUELLA YOUNG, B.S.
Associate Professor of Physical Education (1918) — Hillcrest Cottage

---

ALBERT BIGELOW NELSON, B.S.
Graduate Fellow in Chemistry (1933)

JAMES MCWHIRTER, B.S.
Graduate Fellow in Chemistry (1933)

MARY CAROLINE DUTTON, A.M.
Dietitian (1918) — Battell Cottage

MRS. MAUDE OWEN MASON
Superintendent of Dormitories (1916) — Hepburn Hall

PAMELIA SMITH POWELL
Secretary to the President and Secretary and Recorder of the Summer Session (1921) — 23 Battell Block

WALTER WESTON
Superintendent of Buildings and Grounds (1925) — 25 College Street

Note: The complete list of administrative officers and assistants is published in the College Directory.

FACULTY COMMITTEES

ON ADMINISTRATION

The President and the Deans, *ex-officio*
A. M. Brown, Cook

ON CURRICULUM AND PERMANENT SCHEDULE

White, *Adams, Sholes, Davison, Miss Knapp,
Miss Wiley, the Registrar

ON ADMISSION

Wiley, *Adams, White, Miss Ross, Hazeltine, Miss Warner

ON GRADUATE WORK

Owen, Freeman, Centeno, Longwell, Neuse

ON LIBRARY

Kline, P. C. Perkins, Beers, Dame, Rusby, the Librarian, *ex-officio*

ON STUDENT LIFE AND RESIDENCES

Swett, Miss Ross, Hazeltine, President Student Council and
President Student Government, *ex-officio*

ON CONFERENCE WITH TRUSTEES

Barney, White

ON CALENDAR

Wiley, L. R. Perkins, A. M. Brown, the Registrar

ON SCHOLARSHIP AWARDS

The President, the Deans, and the Directors of Admission

Note: Committees corrected to September 1, 1933.
* On leave.

CHAPEL CALENDAR---1933-1934

September 24
PRESIDENT MOODY

October 1
HENRY HALLAM TWEEDY,
Yale University

October 8
GAIUS GLENN ATKINS,
Auburn Theological Seminary

October 15
ARTHUR W. HEWITT,
Plainfield

October 22
GARFIELD MORGAN,
Lynn, Massachusetts

October 29
JOHN BAILLIE,
Union Theological Seminary

November 5
PRESIDENT MOODY

November 12
HALFORD E. LUCCOCK,
Yale University

November 19
BERNARD IDDINGS BELL
Formerly of St. Stephens College

November 26
BISHOP BOOTH,
Burlington

December 3
JOHN M. THOMAS,
Montpelier

December 10
Christmas Concert

January 7
LYNN HAROLD HOUGH,
Drew University

January 14
BISHOP DALLAS,
Concord, New Hampshire

January 21
HUGH BLACK,
Union Theological Seminary

February 4
LESLIE GLENN,
Cambridge, Massachusetts

February 18
PRESIDENT MOODY

March 11
ARTHUR W. HEWITT,
Plainfield

March 18
Easter Concert

April 8
ALBERT G. BUTZER,
Buffalo, New York

April 22
CHARLES R. BROWN,
Yale University

April 29
PRESIDENT MOODY

May 6
HENRY HALLAM TWEEDY,
Yale University

May 13
PRESIDENT MCCONAUGHY,
Wesleyan University

May 20
PRESIDENT PARK,
Wheaton College

June 10
PRESIDENT MOODY

GENERAL INFORMATION

MIDDLEBURY COLLEGE, chartered in 1800 on the model of still older New England colleges, has devoted itself throughout its one hundred thirty-three years strictly to college work, without professional or training schools. Although Middlebury is the thirtieth oldest college in the United States, it has always remained one of the smaller, in the belief that the highest principles of culture and enlightenment can best be fostered in the cosmopolitan and democratic institution with limited enrollment. Instruction is offered in twenty-six departments by a faculty of over fifty. A group system of elective studies is maintained for securing degrees of Bachelor of Arts and Bachelor of Science, while in both college and summer session advanced courses lead to the degrees of Master of Arts, Master of Science, and Doctor of Modern Languages.

Co-education

Although the College was established for men, women have been admitted since 1883. About 1900 a policy was adopted in principle calling for an affiliated college for women. Until recently, lack of resources has made the adoption of this policy difficult, but increasingly the men and women have studied in separate classes. Beginning in September, 1931, women were admitted to the affiliated college only, and the process of complete segregation or co-instruction will, it is anticipated, be completed in 1935. The faculty will be largely the same, and the curriculum will differ only where this is clearly indicated by the nature of the subjects, interests, and aptitudes of the two groups.

Location and Campus

The College is located on the edge of the village of Middlebury in the west central part of Vermont, the campus overlooking the Champlain Valley with a wide sweep of the Green Mountains to the east and the Adirondacks across Lake Champlain to the west. It is on the main line of the Rutland Railroad with through trains to Boston, New York, and Montreal. The local campus comprises 244 acres in four sections; the Battell Campus reserved for buildings of the Women's College; the "Old Campus" of 30 acres containing the main buildings of the Men's College; Porter field and athletic grounds of 79 acres; and a tract along the Otter Creek, on which the College boat

house is located. The mountain campus, including 31,000 acres, ten miles to the east, with its streams, trails, and cabins in the Green Mountains, is one of the finest possessions of the College. The College plant of fourteen permanent buildings, built for the most part of gray limestone and white marble, colonial in architecture, are planned to establish a general harmony consistent with the extensive campus and mountain setting.

Growth

Substantial progress has been made in the past decade, especially in equipment, permanent funds, and enrollment. In this period have been constructed the Château Français, the Music Studios, Porter Hospital, and two additional wings on the Egbert Starr Library. Enrollment has more than doubled and, with the summer schools, the geographical distribution of students extends to forty states as well as foreign countries. The endowments have been quadrupled and the annual income trebled.

Religious Position

Middlebury is non-sectarian, never having had official connection with any church. It is, however, the desire of the College to foster the tradition of Christian faith and sincere moral purpose established by the founders. Students are required to attend the daily chapel services led by the President and the Sunday vesper services conducted by men of eminence in various denominations and the President. A vested choir composed of twenty-four students, chosen by competition, is present at all services. In a belief that literary and intellectual appreciation as well as spiritual experience may be enhanced, the College will require of all graduates beginning with the class of 1936 the passing of an examination in Bible. Preparation for this may be made either individually or in connection with Biblical literature classes.

Student Government Association

The students of the Women's College at Middlebury have been self-governing since January 5, 1912. The object of Student Government Association is to control the conduct of the women in all matters of their college life which are not under direct jurisdiction of the Faculty; to foster the spirit of unity among them; to increase their sense of responsibility toward each other; and to maintain the social standards of the College.

All women registered as students in the Women's College at Middlebury become members of this Association upon reading and

signing the Constitution and By-Laws. The act of signing these is an agreement to accept the principles, rules, and regulations of the Student Government Association, thus pledging responsible membership in the community and subordination of personal interests to the general good.

Vocational Preparation

The desirability of carefully mapping out one's life work is impressed upon all students, and college instructors give freely of their time and advice in aiding students to a wise arrangement of their studies. The first object of a college course should be that development of mind and personality which will enable one to lead a life of greater usefulness; but success is more likely to attend the student who, in seeking that development, strives to fit herself for some particular field of service. The field of opportunities for women has broadened considerably during the last few years, and many college students who would once have gone out to teach are now looking toward such professions as extension work in Home Economics, dietetics, or tea room and cafeteria management; some form of journalism; secretarial or statistical work; scientific work; medicine or nursing; social or religious work, and many others.

Musical Attractions

A number of noteworthy musical attractions are brought to the College each year. Some of the most prominent artists and organizations which have been heard are: the English Singers; the Barrere Little Symphony; the Hart House String Quartet; Harold Bauer; Myra Hess; Paul Althaus; Hans Kindler; Kathryn Meisle; and Guiomar Novaes. This year the College is cooperating with the town in organizing a "Community Concert Association."

College Regulations

The College places in the hands of each student a pamphlet of regulations containing detailed information as to enrollment, attendance, scholarship, examinations, athletics, and student activities. Since the necessarily limited enrollment places upon the College the obligation to select candidates with the utmost care possible, a responsibility is felt for those who are accepted and the gratifying record that Middlebury graduates have made is due, we believe, to this. To safeguard this record of the past, *the College reserves the right to exclude at any time students whose conduct or academic standing it regards as undesirable, and without assigning any further reason therefor; in such cases the*

fees due or which may have been paid in advance to the College will not be refunded or remitted, in whole or in part, and neither the College nor any of its officers shall be under any liability whatsoever for such exclusion.

Health Measures

The College aims to investigate and care for the health of each student as far as possible. The Department of Physical Education for women commands the services of a professor and an assistant. Prescribed work in physical education and hygiene is required of all Freshmen and Sophomores. Students are encouraged to organize and carry on a great variety of outdoor sports under the general charge of the Director. All cases of illness are reported immediately to the college nurse who cooperates with the local physicians. Porter Hospital is fully equipped for the accommodation of any cases of illness which may arise. The importance to the student of laying a sound physical foundation during the years of her college course cannot be over-estimated. The College reserves the right to ask the withdrawal of any student whose physical condition is not satisfactory.

Contact With Faculty

One of the advantages the small college offers is the possibility for acquaintance of undergraduates with all members of the faculty as well as fellow students. The instructors and administrative officers welcome at any time calls of students, either at their offices or in their homes. The President may be seen from 10.30 to 12 A.M. every day except Sunday, and consultation by students on any subject is cordially invited.

Freshman Week

Middlebury has a special plan of orientation for the opening week with the idea of aiding members of the entering class to become adjusted to their new environment as quickly as possible. The program includes a mass meeting of the class on the opening evening, registration, orientation lectures, psychological test, physical examination, and training in use of the library. Each student is assigned to a faculty adviser who assists in making out a program of studies.

Registration

The first three days of the college year, Monday, Tuesday, and Wednesday, are given over to registration and condition examinations. All students are required to enroll and register their election of courses in the gymnasium on one of these

days, and at the Registrar's Office on the Thursday, Friday, and Saturday preceding the beginning of the second semester. A charge of $5 will be made for each enrollment after the days assigned for registration.

Expenses

Bills are payable by semester in advance, one-half of the yearly charge being payable on registration in the fall and the balance at the opening of the second semester. A certificate of payment from the Treasurer's office and a class card are required before the student is allowed to attend classes.

The following table includes the principal items:

Tuition	$300.00
Room and board	350.00
French School, tuition, room, and board	700.00
Gymnasium and athletic fee	10.00
Dispensary fee	3.00
Publications:	
The Campus	3.00
The Saxonian	1.00
The Kaleidoscope	4.00

Variable Fees

With the help of the list of fixed charges given above, the individual student should be able to work out an approximate estimate of his expenses for the year. In addition the student should consider travel, textbooks, clothing, sorority dues, and social assessments. Items varying according to class, courses, and society:

Special laboratory fees (see course descriptions)	$2.00 to $12.00
Extra course per semester	30.00
Graduation fee (seniors only)	11.00
Table board at the Château	250.00
Books and supplies	20.00 to 50.00

Students boarding at the women's dining halls if absent two weeks or longer will be allowed a rebate of $5 a week for each full week's absence.

The College reserves the right to change quoted charges if necessary to meet the actual cost.

Self-help

Employment by which the student may earn part of her expenses can frequently be obtained about the College or in the village. While the College can promise nothing to untried candidates, it will help in every way possible all who prove themselves capable and willing. Occupations in which students find employment are: waiting on table, washing dishes, and house-duty

in the dormitories; waiting on table and light house work in the homes of the village; caring for children in the afternoon or evening; typewriting or clerical work in the College offices; tutoring; acting as monitors; singing in the choir, etc. Applications for work should be made at the office of the Dean of Women.

Student Societies

The undergraduate organizations at Middlebury include: Athletic Association, Choir, Debating Club, Der Deutche Verein, Dramatic Club, Economics Club, El Club Espanol, English Club, Glee Club, Hiking Club, Le Cercle Français, "M" Club, Mortar Board, Mountain Club, Pan-Hellenic Council, Phi Beta Kappa, Pyramid Club, Spanish Club, Student Council, Student Curriculum Committee, Student Government Association, Student Life Committee, Tau Kappa Alpha, A Tempo Club, and Wig and Pen.

There are six national sororities:
Alpha Xi Delta, Delta Delta Delta, Kappa Kappa Gamma, Phi Mu, Pi Beta Phi, and Sigma Kappa.

Periodicals edited and managed by students include: *Middlebury Campus,* the weekly newspaper; *Saxonian,* quarterly literary magazine; *Kaleidoscope,* annual Junior class book, published in May; *Handbook,* annual information booklet for Freshmen.

Old Chapel

The Old Chapel, erected in 1836, is the central structure in the old stone row, and is built of the same material as Starr and Painter Halls. It is used as a recitation and administration building, with the College Bookstore on the ground floor. The original Chapel on the third floor is used as a lecture room.

Painter Hall

Painter Hall, completed in 1815, is the oldest college building in Vermont, and a fine example of New England colonial architecture. It was first known as West College, but since 1846 has borne the name of Gamaliel Painter, one of the founders and early benefactors of the College. Administrative offices are now located on the entire first floor of the building.

Residence Halls

Eight residence halls and cottages have been provided for the use of faculty and students. Five of these are on the campus: PEARSONS HALL, a marble building of colonial design, located on a commanding height from which views of the Adirondacks and Green Mountains are obtained; BATTELL COTTAGE, named in honor of the donor of the campus of the Women's College; HILLCREST; HILLSIDE COTTAGE; and the CHÂTEAU. The WEYBRIDGE HOUSE and the JEWETT-WILCOX HOUSE are located a short distance from the campus. The HOME MANAGEMENT HOUSE, on Weybridge Street, known as THE HOMESTEAD, is a typical New England home, the interior of which has been remodelled so that it admirably meets the needs of Home Economics 35.2.

The Château

The Château or Maison Française, located at the north end of the women's campus, is a two and a half-story structure, the architecture for which was inspired by the Pavillon Henri IV of the palace of Fontainebleau. It is thoroughly French in the interior as well as the exterior, with French windows, furniture, and decorations. It has accommodations for fifty women. The recitation rooms of the French Department, the office of the Dean of the French School, and the Library are all housed in this building.

Mead Chapel

On May 15, 1914, Ex-Gov. John A. Mead, of the class of 1864, signified his desire to erect a chapel for the College. His letter of gift said: "I have in mind a dignified and substantial structure in harmony with the other buildings of the College, and expressive of the simplicity and strength of character for which the inhabitants of this valley and the State of Vermont have always been distinguished." In accordance with this gift the Mead Memorial Chapel was erected in 1915-16. It is a colonial white marble structure of the New England meeting-house type with a rich and impressive interior. The chancel has accommodations for the faculty and a student choir and contains a large pipe organ. In the tower is a chime of eleven bells, the gift of Ex-Governor and Mrs. Mead.

Starr Library

The Library, built of six kinds of Vermont marble with funds bequeathed by Egbert Starr, was dedicated in 1900. The capacity of the original building was more than doubled by the construction in 1928 of two wings given by Dr. M. Allen Starr, son of the first donor. The main library, including

reference collections in the Departments of Chemistry, Physics, Biology, Drawing, Geology, Greek, and French, numbers about 60,000 volumes. The private library of Dr. Julian W. Abernethy, consisting of about 7,000 volumes in American literature, was bequeathed to the College in 1923 and is now housed in the east wing. Frank D. Abernethy, brother of the donor, furnished the rooms devoted to this collection, where free lectures and readings are held throughout the winter season. In this wing also are fine arts, coin and seminar rooms, and a Middleburiana and local history department. In the west wing are periodical and typewriter rooms and also a reserve room devoted to books withdrawn from general circulation for collateral reading in the various courses. The library is open day and evening except Saturday night and Sunday morning and students have free access to the stacks at all times.

Warner Science Hall

The Departments of Physics, Biology, Geology, and Drawing and Surveying are quartered in Warner Science Hall, which was built in 1901 through benefactions of Ezra J. Warner of the class of 1861. The building is a memorial of his father, Hon. Joseph Warner, formerly a resident of Middlebury and a Trustee of the College. By the will of Mr. Warner the College has received a bequest of $25,000 for the care and maintenance of the Hall, and for the purchase of supplies for the departments which it accommodates.

On the second and third floors is the Natural Museum given by professors of the College. One of the earliest geological surveys of Vermont was conducted by Prof. Charles B. Adams, who then occupied the chair of Natural History. He laid the foundation for the large collection of fossils representing the different geological formations. The work of Prof. Henry M. Seely, long connected with the College, is in evidence in the large collections of fossils of the Champlain Valley. In botany, the complete series of the flowering plants and ferns of the Champlain region, which was collected by President Brainerd, is especially notable. Valuable additions have been made in the higher fungi and other cryptogamous plants gathered by Dr. Edward A. Burt. The Zoological Museum has received accessions from the Smithsonian Institute and from Hon. A. Barton Hepburn of the class of 1871.

Chemistry Building

Since 1913 the Department of Chemistry has been established in the marble building erected with a portion of the General Education Board fund of $200,000. In the basement are organic and research laboratories, photographic and general store rooms. The first floor has lecture rooms; the second provides three laboratories for qualitative and quantitative analysis and private work, library, conference, and balance rooms. On the upper floor are located general chemical and private laboratories and a lecture room.

Athletic Facilities

The Gymnasium, erected in 1910, is named for the Hon. John G. McCullough of Bennington. The structure is marble and the style colonial, like the other buildings of the College. The women's athletic field is located east of Pearsons Hall and is used for hockey matches and for archery, baseball, and field events. There are tennis courts for women and a volleyball court south of and adjoining the field. Coaching in the individual team sports is given in the regular classes in the department of physical education and also after academic hours in class groups organized under the Women's Athletic Association. In 1917 the College acquired one hundred additional acres with frontage on the river, where the boathouse is located. Students are permitted to use the Middlebury Country Club golf course without charge during the college year.

Music Studios

This brick building of colonial design is the gift of Mrs. Emily Proctor Telfer, and houses the studios of the members of the Music Department. Rooms are given over to instrumental and vocal practice as well as a larger studio used for Glee Club and Band rehearsals.

Playhouse

The Playhouse, located on Weybridge Street, is the studio for the Dramatic Club and Play Production classes. Complete equipment for all class and college plays is provided. Courses in the Department of Drama are given here.

Porter Hospital

The Porter Hospital, completed in 1925, was given by Mr. William H. Porter, in memory of his father and mother, for the use of the College and of the people of Addison County. It is of fireproof construction and equipped in the most modern fashion. A superintendent, an interne, and a corps

of graduate nurses are always on duty. A nurses' home, annex, and other improvements have since been added by Mrs. Porter.

Assignment of Rooms

In assigning rooms, preference is given to students in college in order of classes. An assignment is made about May first. Incoming students cannot be assigned to particular rooms before August 15. No room can be assigned for a shorter period than one year. All rooms are subject to the regulations of the college as to student residences, and occupants are liable for any damage to their room or its furniture. The students' rooms in each hall or cottage are single or double and are supplied with necessary furnishings. Application for a room in a college house together with $10 advance payment for room rent should be made to the Dean of Women. No reservations are made without this deposit. This sum will be refunded if the room is not desired, provided notice of withdrawal is given before August first.

Summer Schools

Middlebury has acquired distinction as a pioneer in establishing the segregated one-language summer schools, first of which was the German School founded in 1915. This had a flourishing existence for three years, but was discontinued in 1918 when the teaching of German in high schools was given up, due to the World War. Its immediate success was attested by the opening of the French Summer School in 1916, of the Spanish School the following year, and the spread of segregated language instruction to other institutions. In response to a wide demand the German School was revived in 1931 at Bristol. An Italian House was opened in 1932. Since the Deans of these schools are permanently connected with the College it is possible for undergraduates during the winter session to benefit by the advantages introduced into language teaching. Bread Loaf Inn, twelve miles east of the College, is the home of the Bread Loaf School of English, where a six weeks session is held each summer for graduate students, followed by the Writers' Conference of two weeks.

Battell Forest

One of the most unique gifts to an American college was the bequest of the late Joseph Battell to Middlebury, received in 1916. For over forty years Mr. Battell had been acquiring forest and mountain lands in the vicinity of Middlebury with a view to the preservation of the forest and the beauty of the natural scenery of the region. His holdings

amounted to about 31,000 acres along the highest ridge of the Green Mountains and included several of the higher mountains of Vermont. This estate is appraised at $400,000.

Bequests

A bequest made by Dr. Henry Freeman Walker provides $100,000 for the establishment of a "Furlough and Emergency Fund," the income of which is to be devoted to the needs of the Faculty in providing for occasional periods of rest, recreation, or study, and in relieving the more immediate exigencies of sickness. By the will of Mrs. Russell Sage, the College received $100,000. A fund of $10,000 was established in 1918, which at present has been increased to $60,000 to be known as the "Fletcher D. Proctor Fund for American History," the income of the investment to be applied toward the payment of the salary of a professor to teach American History. By the will of the late Hon. A. Barton Hepburn of New York, the College has received a specific bequest of $200,000 to establish the A. Barton Hepburn Economics-History Professorship Fund. From the same generous source the College has also received a residuary bequest of $250,000 for general needs.

Government and Resources

The government of the College is by a board of Trustees whose corporate title is "The President and Fellows of Middlebury College." The corporation is self-perpetuating and the charter of the College contains no restrictions as to elections. The College owns buildings, equipment and grounds valued at $1,715,000. The permanent endowment amounts to $4,130,000. An appropriation of $7,200 is received from the State of Vermont, for scholarships. The expenditures for the year 1932-33 were approximately $350,000. The College has never impaired its endowments and is not in debt. An Advisory Committee elected by the alumnæ of the College cooperates with the trustees in making suggestions concerning the operation of the Women's College.

ADMISSION

METHODS OF ADMISSION

STUDENTS are admitted to the Women's College at Middlebury either by certificate or by examination. After applications have been received the necessary blanks for admission will be sent. Certificate forms are always sent to the principal of the school; other blanks are sent to the applicant.

CERTIFICATION

REQUIREMENTS FOR CERTIFICATION

For admission by certificate 15 points or admission units are necessary. A point is a preparatory school subject pursued one year with five recitation periods a week, except in English where 3 points are given for 4 years' work. These preparatory school subjects are, for purposes of admission to college, grouped under three heads: required points, optional points, and free choices.

I. Required points:

a. Of all students, English, 3 points; Algebra, 2 points; Geometry, 1 point.

b. Of A.B. students, Latin, 4 points; or Greek, 3 points.

c. Of B.S. students, Foreign language, 2 points.

II. Optional points:

Two points from the following groups of options are to be chosen by A.B. students and four by B.S. students.

Language	*History and Social Science*	*Science*
Latin	Ancient History	Mathematics
Greek	European History	Chemistry
French	English History	Physics
German	American History	Biology
Italian		Physical Geography
Spanish		Botany
		Zoology
		Drawing

III. Free choices:

Subject to the approval of the Admission Committee, the remaining points may be chosen from any subjects taken in the preparatory school and not already used in making up the required and optional points.

By vote of the faculty on October 16, 1933:

"A student with a preparatory school record of high quality but presenting only 3 units of Latin, may be admitted to the A. B. course, if it is the judgment of the admission committee that he can successfully carry the college work in that course."

Certification will not be accepted in the mathematics courses which are required for admission to the B.S. course if more than one school year has intervened between the completion of the study of mathematics in preparatory school and the time for matriculation.

ELIGIBILITY FOR CERTIFICATION

Students in New England from schools upon the approved list of the New England College Entrance Certificate Board may be admitted on certificate of their high school principals. *No total certification for less than eight points will be considered,* but the eight points need not all be from the same school.

Students who have only partial certification totaling eight points or more may make up deficiencies by examinations covering the points in which they are not certified; or they may enter wholly by examination.

Schools not upon the approved list of the Certificate Board, but meeting its requirements in respect to curriculum, teaching staff and equipment, may, for the purpose of showing their standard of certification, send one or more students on certificate, if arrangements for so doing are concluded with the Board before April 1. Inquiries on this subject may be addressed to Prof. Frank W. Nicolson, Secretary of the Board, Wesleyan University, Middletown, Conn.

Subject to the approval of the Committee on Admissions, students outside of New England from schools upon the approved list in their respective states may be admitted on the same basis as those from approved schools in New England.

Students who have passed the examinations of the College Entrance Examination Board, or of the Board of Regents of the State of New York, with satisfactory grades, will be credited upon certificate for all such courses.

SPECIAL CERTIFICATION

Students who have graduated from any approved high school in the first third of the class and whom their principals will certify upon the general record of their courses rather than in individual subjects may be admitted provided they have satisfied the required points as stated above for entrance upon the work of either degree. A detailed statement of the high school course will be accepted in each case by the Admission Committee as satisfying the remaining points up to fifteen provided it shows that the student has included in her course

the following list of subjects or their equivalents: 4 years of English; 3 years of Mathematics (2 years of Algebra and 1 year of Plane Geometry); 2 years of a foreign language; 1 year of History; 1 year of Natural Science.

Approved high schools are: in New England, schools upon the approved list of the New England College Entrance Certificate Board; outside of New England, subject to the approval of the committee on admissions, schools upon the approved list issued by the Department of Education in their state.

It is understood that in granting special certification to any student, the principal who certifies her is assuming the same obligation for her work that he is for the work of a student to whom he gives regular certification.

LIMITATION OF ENROLLMENT

The membership of the Freshman class is limited. Early application is therefore desirable. Tentative choice of applicants will be made by a series of selections, the first on the twentieth of March preceding entrance, and subsequent ones on the twentieth of each succeeding month until the quota is filled.

EXAMINATIONS

JUNE EXAMINATIONS

Students desiring to make up deficiencies in certification by examination, or to enter by examination alone may make use of the examinations given by the College Entrance Examination Board, June 18-23, 1934. The College itself gives no entrance examinations in June.

Students who desire to enter entirely by examination may make application for admission on the basis of "New Plan" or "Plan B" examinations (examinations in four fundamental subjects). Information on subjects to be chosen for "New Plan" examinations may be secured by applications to the Director of Admissions.

Examinations will be held in nearly 400 towns and cities in the United States and abroad.

Blank forms for the "Application for Examination" and the "Teacher's Recommendation" may be obtained from the Secretary of

the College Entrance Examination Board upon request by mail. The application should be returned to the College Entrance Examination Board, 431 West 117th Street, New York City. The Teacher's Recommendation should be sent directly to the Committee on Admission of the College.

The applications and fees of all candidates who wish to take these examinations should be received by the Secretary of the Board on or before the dates specified below:

For candidates who wish to be examined in the United States at points east of the Mississippi River or on the Mississippi	May 28, 1934
For candidates who wish to be examined in the United States at points west of the Mississippi River or in Canada	May 21, 1934
For candidates who wish to be examined in centers outside of the United States and Canada, except in Asia	May 7, 1934
For candidates who wish to be examined in China or elsewhere in the Orient	April 23, 1934

Every application for examination must be accompanied by the examination fee, which is $10.00 for all candidates. This fee should be remitted by postal order, express order, or draft on New York, payable to the College Entrance Examination Board.

An application for examination received later than the date specified above will be accepted when it is possible to arrange for the examination of the candidate concerned, but only upon payment of an additional fee of five dollars.

When a candidate has failed to obtain the required blank form of application for examination the usual examination fee will be accepted if the fee arrives not later than the specified date accompanied by a memorandum containing the name and address of the candidate, the exact examination center selected, and a list of the subjects in which the candidate expects to take the Board examinations.

The designation of the center to which the candidate will go for examination is regarded as an indispensable part of the application for examination. A list of places at which examinations will be held in June, 1934, will be published about March 1. Requests that the examinations be held at particular points should be transmitted to the Secretary of the College Entrance Examination Board not later than February 1, 1934.

Candidates should report for a morning examination at 8.45 and for an afternoon examination at 1.45, Standard or Daylight Saving Time, according to the usage of the local public schools. Under no circumstances will a candidate be admitted late to the Scholastic Aptitude Test.

Detailed definitions of the requirements in all examination subjects are given in a circular of information published annually about December 1 by the College Entrance Examination Board. Upon request a single copy of this document will be sent to any teacher without charge. In general a charge of twenty-five cents, which may be remitted in postage, will be made.

ADVANCED STANDING

A candidate for admission to advanced standing who comes from an approved institution of collegiate rank may receive credit, without examination, for work done at such institution, if she presents a detailed statement of her previous work. This statement should include a full list of preparatory subjects accepted for admission by the institution previously attended, and also a list of the subjects taken there for which credit has been attained. A catalogue of the institution previously attended, in which the applicant clearly indicates the courses which she is offering for credit, must be sent to the Director of Admissions for Women. A letter of honorable dismissal from the institution last attended also must be presented, and no student who has been separated from another institution for reasons of scholarship will be granted any academic favor that would not be extended by the institution from which she has been separated.

Only a limited number of students can be accepted in any year by transfer from other institutions, and all students transferring from other institutions will be provisionally classified for their first year. At the close of this period their credits will be adjusted and it will be understood that in making the adjustment the quality of the work done at Middlebury will be taken into consideration.

A student satisfying her instructor of her fitness to do so may take a qualifying examination in any subject of the Freshman year, which, if passed, will be accepted as prerequisite to the succeeding course, but will not entitle her to college credit for the examination so passed. An examination in Mathematics or Latin so passed will apply toward meeting the mathematical or classical requirement for a degree.

THE COLLEGE CURRICULUM

BACCALAUREATE DEGREES[1]

MIDDLEBURY COLLEGE confers the degrees of Bachelor of Arts and Bachelor of Science.

Every candidate for a baccalaureate degree shall before graduation complete the following requirements according to the Group chosen:

First Year

Group 1—A.B.

1. English, 3 hours each semester.
2. Contemporary Civilization, 3 hours each semester.
3. Ancient Language, 3 hours each semester.
4. Modern Language, 3 or 6 hours each semester.
5. Biology, Chemistry, History, Home Economics, Mathematics, Music, or Political Science, 3 hours each semester.[2]

Group 2—A.B. or B.S.

1. English, 3 hours each semester.
2. Contemporary Civilization, 3 hours each semester.
3. Modern Language or Political Science, 3 hours each semester.
4. Ancient Language (A.B.) or Mathematics (B.S.), 3 hours each semester.
5. History, Music, or Laboratory Science (Biology or Chemistry), 3 hours each semester.

Group 3—B.S.

1. English, 3 hours each semester.
2. Contemporary Civilization, 3 hours each semester.
3. Mathematics, 3 hours each semester.
4. Science (Biology or Chemistry), 3 hours each semester.
5. Modern Language, History, Music, or Political Science, 3 hours each semester.

Three hours of Physical Education each semester are required of all Freshmen, but without credit.

Second Year

Group 1—A.B.

1. English (including American Literature and Drama and Public Speaking), 3 hours each semester.
2. Ancient Language, 3 hours each semester.

[1] The regulations governing the attainment of the degrees of Master of Arts and Master of Science will be found in pp. 81-83.

[2] When a double course in Modern Language counting six credits per semester is elected in the Freshman year the course omitted from No. 5 should be made up by election in the Junior year.

3. Modern Language, 3 hours each semester.
4. Biology, Chemistry, Geology and Geography, Mathematics, or Physics, 3 hours each semester.
5. Economics, Education and Psychology, History, Home Economics, Music, Philosophy, Sociology, Drawing and Surveying, Physical Education, or Political Science, 3 hours each semester.

Group 2—A.B. or B.S.

1. English (including American Literature and Drama and Public Speaking), 3 hours each semester.
2. Ancient Language (A.B.) or Mathematics* (B.S.), 3 hours each semester.
3. Laboratory Science, Education and Psychology, Mathematics, Modern Language, Music, Sociology, Drawing and Surveying, Geology and Geography, or Physical Education, 3 hours each semester.

4 and 5. Economics, History, Philosophy or Political Science, 6 hours each semester.

Group 3—B.S.

1. English Literature, American Literature, Drama and Public Speaking, or Modern Language, 3 hours each semester.
2. Mathematics*, 3 hours each semester.
3. Science (Biology, Chemistry, Geology and Geography, Home Economics, or Physics), 3 hours each semester.

4 and 5. Drawing and Surveying, Economics, Education, History, Philosophy, Sociology, Physical Education, Music, or Political Science, 6 hours each semester.

Third and Fourth Years

1. Students are required to state at the beginning of their Junior year in what field the major part of their work is to be done.
2. Three-fifths of the work in each year must be advanced courses following within departments the earlier courses of the first or second year or both. The remaining two-fifths may be chosen without other restriction than the approval of the personal and chief advisers.
3. Advanced courses shall be based, when practicable, upon carefully prescribed prerequisites, which shall be fixed, so far as possible, by conferences of all instructors working in the same and related fields.
4. Three courses may be taken simultaneously in a single department.

NOTES:

1. Shifting from one group to another during or at the close of the first year will not be permitted without the approval of the personal and chief advisers, and then only when the student's record shows clearly that the original course was a mistaken one.
2. Exceptional cases will be decided by the chief adviser upon consultation with the head of the department concerned.

*3. A year of Physics or a second year of Chemistry, Biology, or Geology may be substituted for the second year of Mathematics but the requirements governing elections must always be so interpreted that no Sophomore may elect two courses in the same department at the same time.

4. The A.B. requirement in Latin and the B.S. requirement in Mathematics must be continued without interruption until completed.

ADVISERS

To give students that individual assistance which is necessary to a wise selection of courses, all elections made by students should be endorsed by an Adviser. This must be done before the Registrar will send class cards to the courses.

ORGANIZATION OF COURSES

In explanation of the requirements, it should be noted that the courses of instruction offered by Middlebury College are organized in departments. These departments are arranged in three groups, as shown in the following table:

Language Group	*Social Science Group*	*Natural Science Group*
American Literature	Economics	Biology
Drama and Public Speaking	Education and Psychology	Chemistry
English	Fine Arts	Drawing and Surveying
French	History	Geology and Geography
German	Music	Home Economics
Greek	Philosophy	Mathematics
Italian	Physical Education	Physics
Latin	Political Science	
Spanish	Sociology	

Most of the courses of instruction offered in the various departments are lettered A, B, or C—an A course being elementary and a C course the most advanced. These letters refer not only to the evaluation of the courses as regards difficulty but also to the order in which they should be taken; admission to courses of advanced grade is usually gained only by completing one or more appropriate courses of more elementary grade which are designated prerequisites.

FRESHMAN YEAR

Students in the first semester of the Freshman year are limited to five courses, double courses in language counting as two, with the exception that a student who enters with two points credit in a modern foreign language, but is required by the head of the department to take the double course, shall receive credit for a single course and shall take a fifth course.

To take six courses in any subsequent year a student must have attained an average of 80 percent in all the work of the previous year; to take seven courses he must have attained an average of

90 percent. Students are charged $30 a semester for each extra course.

Freshmen may take practical work in music, but without college credit.

DISTRIBUTION OF WORK

While the right to elect three courses simultaneously in one department in the last two years enables each student to concentrate attention upon those fields which are of particular interest, sufficiently to secure in them a higher degree of attainment than in others in which specialization does not proceed so far, the undergraduate should be equally solicitous of securing a sufficient distribution of electives to obtain that variety of interest and breadth of view which graduation from a college of liberal arts implies.

ELECTIVE COURSES

The curriculum requirements involve less than one-half of the total number of courses required for graduation and permit the student, therefore, a wide range of free electives. The remaining courses necessary for graduation may be obtained by completing any of the courses, within the limits of the requirements described above, which are open to election by the class of which the student is a member. With few exceptions, courses are open to election by two classes and a large number may be elected by three classes in the years designated. A few courses are unlettered; these may be chosen in the years designated and will be counted toward graduation like other courses. Before registering a student should consult carefully the hours at which the different courses are scheduled to recite.

No change in studies will be allowed during the first week of classroom work except by permission of the Chief Adviser. During the second week of classroom work a change may be made only with the permission of the Chief Adviser and the Instructor involved, and the payment of a fee of $5. For making a change during the third week of classroom work a fee of $10 will be required. The fee in each case must be paid to the Registrar before the new Admittance Card is given to the instructor. After the third week of classroom work no change may be made except within a department and upon the initiative of the instructor.

RECITATION REQUIREMENTS

THE student's work is estimated in semester hours and courses. A semester hour means one period of class work per week for one semester. Laboratory courses require double periods, each double period counting the same as one hour of recitation. The normal number of courses of study required of each student is five. The circumstances under which more or less than this number may be taken are explained elsewhere. All courses, unless otherwise stated, are conducted three hours a week, so that the normal amount of classroom work required is fifteen recitation hours a week, exclusive of preparation.

While the amount of time required for thorough preparation differs in different studies and for different students, every student should allow two hours of time for the preparation of each hour of recitation, except in laboratory courses, and the best results of collegiate training cannot be expected from less.

SCHOLARSHIP

THE scholarship of the students is graded on the scale of 100 percent, 60 percent being passing.

Reports of standing are made at the end of each semester. At these times notices of failures are sent to both students and parents.

At least 32 of the 40 semester courses required for graduation must be of not less than 70 percent grade.

A student credited with eight courses at the beginning of the college year, not including credits received in Physical Education 11., will be ranked as a Sophomore for that year; one with 18 courses, a Junior; one with 28 courses, a Senior.

Not more than six semester hours can be attained by an undergraduate at a Summer Session. Proportionate credit will be allowed for work in summer sessions or summer quarters at other institutions where the period of summer work is longer than six weeks.

CONDITIONS IN COLLEGE WORK

A STUDENT who fails to pass an examination at the close of the first semester and is thereby conditioned, but who is permitted to remain in college, is given an opportunity to take another examination

either on the first day after the Easter recess or on such one of the first three days of the next college year as shall be determined by the Registrar. A student who is conditioned at the close of the second semester, and who is permitted to remain in college, may take an examination on such one of the first three days of the next college year as shall be determined by the Registrar, or on the first day after the Christmas recess.

Application for the opportunity to remove a condition or deficiency must be made to the Registrar and a fee of $5 paid. If an examination is to be taken, the application to the Registrar must be made at least one week in advance of the time set for the examination.

A make-up examination must be taken at the time for which the student registers, unless excused by the Dean in advance.

No exception will be made save in the following cases:

1. A Senior may take an examination for each deficiency, or condition, incurred during the Senior year, on the Friday preceding Commencement.
2. If the course in which a student has been conditioned is given in the Summer Session, the condition may be removed by taking that course and passing at its close an examination which will be based upon the regular college course and, if possible, be set by the instructor who imposed the condition.

To remove a condition the average of the term mark and the new examination mark combined in the ratio of three to one must reach 60 percent.

Any student failing to make up a condition as provided for above must repeat the course with the following class if the subject is a required one, even though, from conflict of hours or any other cause, it necessitates the temporary omission of some of the regular work of his class.

EXAMINATIONS

In those courses in which the subject-matter of the two semesters' work is not related, a final examination is given at the end of each semester upon the work of that semester. But whenever the nature of the work makes it possible, year courses are offered with formal final examinations at the end of the college year covering the work of the entire year.

A student inexcusably absent from an examination will be conditioned. A student unavoidably absent from college at the time set by

the Registrar for taking the examination will be given an opportunity without fee immediately upon the return to college or before the beginning of the corresponding semester of the following year. If one fails to meet this requirement, the course must be repeated with the following class if the subject is a required one.

A student whose term mark in any course falls below 50 percent is excluded from examination and must, if the subject is a required one, repeat it with the following class.

A student will be conditioned whose recitation and examination mark combined in the ratio of three to one is below 60 percent. No student whose examination mark is below 50 percent will be allowed to pass.

In addition, a comprehensive examination covering all the work taken in the field in which the student has concentrated is required by all Departments.

REQUIREMENTS FOR GRADUATION

THE satisfactory completion of 40 semester courses of 3 hours or more each per week, or their equivalent in year courses, is required for either degree. The final year of work must be taken at Middlebury College.

The following requirements were voted by the faculty, and approved by the Trustees, and took effect with the class of 1933:

Major:

I. Before the end of the Senior year at least one B year-course and one C year-course, or their equivalent, must be taken in a department of the student's choice.

Comprehensive Examinations:

II. Every student must pass, at the end of the Senior year, a general examination testing comprehension of the subject in which major work was chosen, and covering all of the work in that department.

A. A student shall not receive a diploma unless such an examination is passed with a grade of 60 percent.

B. Each department is empowered and encouraged to require related courses in other departments, as part of the material of the general examination.

C. The general examination shall be divided into at least two examinations of at least two hours each, to be given a week or more before the beginning of final examinations.

D. Students who pass the general examination with a grade of 75 percent may, at the discretion of the department, be excused from final course examinations in any or all courses that may fall within the field of concentration, including allied courses accepted for this purpose. It is understood, however, that no student is excused from any other requirement in courses.

The week previous to the time taken up by the Comprehensive Examinations is considered a Reading Period for seniors and classes composed of over 80 percent seniors may be discontinued at the discretion of the instructor. In all other courses seniors are held responsible for material content which can be covered by reading or laboratory work, but are not required to attend classes nor held responsible for the class discussion. Departments assist students in organizing and coordinating their material for the comprehensive examination by individual conferences, group seminars, series of lectures, reading list and syllabi, sample examinations, or senior coordinating courses.

DEPARTMENTAL HONORS

As an incentive to such students as have the ability to do more than should be required of the majority, and to promote and encourage individual investigation in the various departments of the curriculum, the faculty has established a system of honors. These are divided into two classes, Honors and High Honors, and are subject to the following regulations:

1. Honors must be sought in the department in which the candidate is concentrating, and at the end of his course his application for Honors must have the unanimous recommendation of the department.
2. The candidate shall announce the intention of working for Honors to the head of the department concerned at a time not later than the registration period at the beginning of the Senior year. It is urgently recommended, however, that the candidate consult with the departmental head at as early a time as possible in order that the requirements for Honors in the department concerned may be thoroughly understood and completely met.
3. Each candidate for Honors shall be required to pass by unanimous vote of the entire department concerned a special comprehensive examination to be devised and administered by the department in which Honors are sought and as specified in Section 6 that follows. Each department shall issue at least one year before the date set for the special examination a statement of the material on which the ex-

amination shall be based and shall have the right to include such special requirements as seem suitable, such as complementary courses in allied departments, etc.

4. In order to secure Honors a student must have obtained an average rank of not less than 80 percent in the department in which Honors are sought; a general average of not less than 80 percent in the entire college course, and a grade of 85 percent in the special comprehensive examination. In order to secure High Honors the student must obtain an average rank of not less than 90 percent in the department in which High Honors are sought; a general average of not less than 85 percent in the entire college course, and a grade of 90 percent in the special comprehensive examination.

5. Candidates for Honors are expected to consult frequently with departmental heads concerning their progress in fulfilling requirements and in general concerning their preparation for the special comprehensive examinations.

6. Candidates for Honors shall be required to take the regular Departmental comprehensive examination with the addition of sufficient examination material to test the candidate's special preparation in his Honors work. It should be understood that this additional material with the regular departmental comprehensive examination shall constitute in effect a special examination. Should the candidate be unsuccessful in passing this examination the grade should be recorded and the candidate should then be given a grade for a regular comprehensive examination. Such candidates will, therefore, be subject to the usual requirements governing the regular comprehensive examinations required of all students.

These honors will be printed on the Commencement program and in the next annual Catalogue, and will be certified to, when requested, by a written certificate from the Registrar and the professor of the department, stating the nature and quality of the extra work done.

The degrees of A.B and B.S. are conferred *cum laude* upon those who have attained an average rank, for the entire course, of 85 to 90 percent; *magna cum laude* if that rank is 90 to 95 percent; *summa cum laude* if it is 95 percent or above.

HONORARY APPOINTMENTS

THE faculty, under the direction of the Corporation, give the honorary Commencement appointments in College; to the woman attaining highest rank, the appointment of Valedictorian, and to the second in rank, the appointment of Salutatorian.

PHI BETA KAPPA

THE Middlebury Chapter of the Phi Beta Kappa Society is the Beta of Vermont. Members of each Senior class, who have attained an average rank of 89 percent for six semesters, or an average rank of 87½ percent for eight semesters are eligible for membership, up to a maximum of 15 percent of the class.

DEPARTMENTS AND COURSES OF INSTRUCTION

Most of the courses meet three times a week. The year in which a course would be elected most effectively by the average student is clearly indicated by the number used to define the course: numbers from 11 to 19 inclusive indicate Freshman courses; numbers from 21 to 29, Sophomore courses; from 31 to 39, Junior courses; and from 41 to 49, Senior Courses. Figure 1 following the decimal point in the number of a course (*e.g.*, 21.1) shows that it is a first semester course; figure 2 (*e.g.*, 21.2) that it is a second semester course; the number without figure following decimal point (*e.g.*, 21.) indicates that it is a year course. Unless otherwise stated semester courses carry 3 credits and year courses 6 credits toward the required 120.

Prerequisite courses are shown in parentheses. *Bracketed courses are not given in the current year.* Not more than three courses in one department may be taken at the same time except by permission of the Administration Committee. In any modern language, students of any class will be assigned to those courses for which, in the judgment of the instructor, they are best fitted.

AMERICAN LITERATURE

Professor Cook

21. American Literature Survey. B

A study of the main currents of literary thought in America to 1900, with particular emphasis on selected works of some major writers. (English 11.)

31. The American Novel. C

A study of the main tendencies in the development of the novel in America. (American Literature 21.) (Permission.)

[51.1 Emerson and Thoreau. C]

A study of the work of two figures who have contributed deeply to American thought. (American Literature 21. and permission.)

41.2 Contemporary American Poetry. C

A study in contemporary American poetry as revealed in the work of outstanding poets. (American Literature 21.) (Permission.)

41.1 The Short Story. C

A study of the development of the short story in America, with optional practice in writing. (American Literature 21.) (Permission.)

BIOLOGY

Professor LONGWELL
Professor BARNEY

11. GENERAL BIOLOGY. A

An introduction to the fundamental biological laws and to the study of the interrelation of organisms; structure and function of physiological systems; laboratory study of selected animals and plants.

Laboratory fee, $20 for the year.

Professor LONGWELL.

21. COMPARATIVE ANATOMY OF VERTEBRATES. C. Grad.

A comprehensive study of vertebrate structure with special reference to man, adaptation and evolution. Dissection of selected animal types. (Biol. 11.)

Laboratory fee, $20 for the year.

Professor LONGWELL.

22. STRUCTURE AND PHYSIOLOGY OF PLANTS. B

The morphology and physiology of seed plants; a general survey of the plant kingdom from the viewpoint of comparative morphology and physiology. (Biol. 11.)

Laboratory fee, $20 for the year.

Professor BARNEY.

31. GENERAL BACTERIOLOGY. C. Grad.

Lectures and laboratory practice; structure and physiology of bacteria; the technique of their study; preparation of stains, reagents, culture media; determination of species; the bacteriology of water, sewage, milk, shellfish; animal immunity, cyclogeny, bacteriophagy. (Biol. 11.)

Laboratory fee, $20 for the year.

Professor BARNEY.

[32.1 NATURAL HISTORY. C]

Comparative anatomy of invertebrates; identification of species; life histories; environmental studies; habitats; relations with man. Designed for advanced students of biology expecting to become teachers or instructors in nature study. Lectures, field and laboratory exercises. (Permission.) Seniors and Juniors.

Laboratory fee, $10 for the semester.

41. GENERAL PHYSIOLOGY. C. Grad.

The functions of organs of the human body; physical and chemical nature of protoplasm; the structure of cells, cell physiology; chemistry of foods; digestion; metabolism; circulation; respiration; endocrine function; the vitamins; excretion; the neuro-muscular mechanism. Designed for the general student and those interested in

dietetics, hygiene, physical education, and medicine. (Biol. 11.) (Desirable antecedents, Chem. 11. and Biol. 21.)

Laboratory fee, $20 for the year.

Professor BARNEY.

42.1, .2 GENETICS AND EMBRYOLOGY. C. Grad.

First semester—Genetics: theories of organic evolution; the principles of variation, selection, and heredity; the material basis of heredity, Mendelian inheritance and the application of its principles in animal and plant breeding and eugenics. Designed not only for students in biology but also for those specializing in the social sciences. Second semester—Embryology: a study of the development of the human body. Reproductive cells, maturation, fertilization, cleavage, and the development of the principal organs. The laboratory work consisting of practical histological technique, a study of the elementary tissues, early stages in the development of the chick, dissection and study of the later embryonic stages of the pig. (Biol. 11.)

Laboratory fee, $10 for the year.

Professor LONGWELL.

45. SPECIAL. C. Grad.

Individual research in a restricted field. (Permission.)

Laboratory fee, $20 for the year.

Professor LONGWELL and Professor BARNEY.

CHEMISTRY

Professor VOTER
Assistant Professor HALLER
Assistant Professor WOMACK
Mr. NELSON
Mr. MCWHIRTER

A deposit fee to cover cost of broken apparatus is charged in each laboratory course, to be paid to the Treasurer at the beginning of each semester.

Students seeking Honors in this Department should consult with Head of the Department regarding additional requirements to those listed elsewhere in this catalogue.

11. GENERAL CHEMISTRY. A

Introduction to the fundamental principles of general chemistry, with the preparation and study of the elements and their more common compounds in the laboratory.

Laboratory fee, $20 for the year and breakage.

Professor VOTER, Mr. NELSON and Mr. MCWHIRTER.

21. QUALITATIVE ANALYSIS AND INTRODUCTORY PHYSICAL CHEMISTRY. B

Lectures and laboratory work. Complete analysis of inorganic substances including alloys, minerals and commercial products. Selected phases of elementary physical principles as a basis for understanding

the underlying causes and technique of analytic and organic chemistry. (Chem. 11.)

Laboratory fee, $20 for the year and breakage.

Assistant Professor HALLER and Mr. NELSON.

23. INTRODUCTORY ORGANIC CHEMISTRY. B

Lectures and laboratory work on the carbon compounds. The methods of synthesis, properties, structures, industrial application, and physiological action of the more important members of each group are studied in detail. (Chem. 11.)

Laboratory fee, $24 for the year and breakage.

Assistant Professor WOMACK.

31. QUANTITATIVE ANALYSIS. C. Grad.

Laboratory work and lectures dealing with the general methods of Quantitative Analysis, gravimetric, volumetric, and electrolytic. (Chem. 21. or 23.)

Laboratory fee, $20 for the year and breakage.

Professor VOTER.

[33. HISTORICAL CHEMISTRY AND CHEMICAL LITERATURE. C. Grad.]

A brief survey of the history of chemistry and development of chemical theory. A study of the literature of chemistry. (Chem. 21. or 23.)

35. BIOLOGICAL CHEMISTRY. C

Lectures and laboratory work on the biochemistry of foods, digestion, nutrition and metabolism. Practical methods of blood and urine analysis; the chemistry of the tissues in health and disease. Meets the requirements of students concentrating in Home Economics and pre-medical students. This course should appeal to advanced students interested in the application of pure Chemistry to Biology. (Chem. 23., Biol. 41. at least simultaneously.)

Laboratory fee, $20 for the year and breakage.

Assistant Professor WOMACK.

41. PHYSICAL CHEMISTRY. C. Grad.

Lectures and laboratory work. A systematic presentation of modern chemical theory. The subject matter includes Atomic and Molecular theory; gases, liquids and solids; theory of solution; colloid chemistry and adsorption, reaction velocity, catalysis, and equilibrium in homogenous systems; The Phase Rule, Thermochemistry and Electrochemistry. (Chem. 21., 31., at least simultaneously.)

Laboratory fee, $20 for the year and breakage.

Assistant Professor HALLER.

43.1 ADVANCED ORGANIC. C. Grad.

Lectures on the characterization of pure organic compounds. Unknown substances are analyzed qualitatively in the laboratory, and some introduction to the quantitative determination of the common elements and functional groups in organic compounds is given. (Chem. 23. and 31.)

Laboratory fee, $12 for the semester and breakage.

Assistant Professor WOMACK.

43.2 Advanced Organic. C. Grad.

Advanced preparations, including a critical study of the mechanisms of important reactions with investigations of the original literature, and individual reports on special problems. (Chem. 23. and 31. Chem. 43.1 is not a prerequisite.)

Laboratory fee, $12 for the semester and breakage.

Assistant Professor Womack.

45.2 Industrial Chemistry. C. Grad.

Lectures on the principal chemical industries, such as fuels, acids, gases, coal tar, etc. A study of the chemical reactions and apparatus used on a large scale. No laboratory work. (Chem. 23., 31., at least simultaneously.)

Fee for industrial trips, $6.

Assistant Professor Haller.

47.1 Chemical Microscopy and Spectroscopy. C. Grad.

Microscopic methods applied to chemical investigations. Study of crystalline compounds, recognition of paper and textile fibers. Rapid inorganic chemical analysis of minute samples. Spectroscopic methods applied to chemical investigations. Mapping and photographing spectra, spectroscopic analysis, detection of impurities. (Chem. 21., 23. and 31.)

Laboratory fee, $10 and breakage.

Assistant Professor Haller.

51. Research. C. Grad.

Open to properly qualified students. Recommended for candidates for the Master's degree and for Seniors seeking honors in chemistry. (Permission.)

Laboratory fee and breakage to be arranged individually.

a. Inorganic and Analytical Chemistry. Professor Voter.
b. Analytical and Physical Chemistry. Assistant Professor Haller.
c. Organic and Biological Chemistry. Assistant Professor Womack.

55. Research. C. Grad.

Same as Chem. 51. Open only to graduate students doing more or less than the regular course of three hours a week.

Laboratory fee and breakage to be arranged individually.

CONTEMPORARY CIVILIZATION
(Sociology)

Professor Kingsley
Associate Professor Sholes

Problems of Contemporary Civilization

Contemporary Civilization is not a department of the College, which it might well be, but a survey or an orientating course. Each Freshman is required to take this course in order to become more familiar with the thoughts and problems of the present day. It is given under the Department of Sociology and is therein listed as

Sociology 11. The College is convinced that each student should know the great development of our civilization and the problems facing our present age and also the great theories set forth as possible solutions. It is also necessary for students to recognize the great laws, principles, and concepts of civilization, the conditions under which these arose and their effects upon civilization. One-half of the year will be spent upon the greater scientific concepts of our civilization, while the latter half of the year will be spent in considering the great social concepts of our civilization. During the course about forty problems in astronomy, biology, physics, economics, psychology, sociology, and education will be considered. The work in a course of this character will be general and not in detail, yet it will be as thorough as a detailed course because it treats only the greater concepts, laws, and problems of our civilization. It is not intended that the student will feel that he has acquired sufficient knowledge to solve definitely the problems of society; but that he will be impressed with the magnitude of the problems and the necessity for a good early solution. It is expected that the student will be impressed with the great concepts of our civilization and of the means society has used to gain those impressions. The course will consist of three discussion and lecture periods per week. There will be about forty lectures; the student will be expected to read nearly 5,000 pages during the year. The tutorial system will be used; each student will meet in conference several times during the year with his professor. Over fifty periodicals and several hundred books are used in this course. Recitations, conferences, forums, and lectures are frequent enough and so correlated as to make a valuable exploratory background for thoughtful work in the more advanced years of the college course.

Library fee, $10 for the year.

DRAMA AND PUBLIC SPEAKING

Associate Professor GOODREDS
Mr. SWYLER

This department covers the work in play production, playwriting, the study of modern drama, public speaking and debating.

The courses are adapted to develop the students to the point where they may take charge of similar courses in college or in school, or be community leaders in the little theatre movement.

22. PRINCIPLES OF SPEECH. B

A study of the principles which underlie effective speech. Attention given to the development of skill in judging needs of a speech occasion and in organizing and presenting one's ideas to an audience effectively. The relation of speaker and audience considered from the psychological standpoint. Rhetorical principles for the development of an adaptable and effective oral English style. Improved voice quality and flexibility are sought through drills and technique and critical attention to the voice in speeches. Work is also directed

toward expressive action and pleasing platform manner. Most of the speeches are of the extempore form prepared by outline before delivery. Maximum speaking practice with discussions and criticisms. Seniors, Juniors and Sophomores.

31.1 Contemporary Drama. B

English, American and some Continental drama of the present dramatic era. The course will deal mainly with the authors from Ibsen up to the present day, but will not confine itself to the study of plays written within a certain arbitrary period. The dramatic movement of recent times affords a unity that transcends that of dates. The work will attempt to apply the principles of this unity to the selection of plays for class study. Lectures, reading of a large number of plays, discussions. Seniors, Juniors and Sophomores.

32. Play Production. C

This course considers the organization of dramatics in schools, colleges, and community houses; it offers a study of the contemporary methods of Play Production; the principles and problems involved in producing plays, staging, costuming, make-up, acting, lighting, directing, scenic design, etc., through the practical medium of the presentation of several long plays and numerous one-act plays in the College Playhouse. A study of plays available for production is made along with the study of production methods, thus building up a background of information necessary for intelligent adaptation of material. The applicant must have been actively interested in dramatics for at least one year before acceptance in the course. Each student is expected to spend several hours a week in laboratory work. (Permission.)

Laboratory fee, $5 per year.

42.2 Advanced Studies. C

Properly qualified Seniors may be permitted to undertake the study of advanced problems in the field of Drama. The approach will be two fold; through studies in play writing and consideration of special production problems. The course will be conducted as a seminar. Students will be expected to spend considerable time in laboratory work. (Permission.)

Laboratory fee, $2.50.

43.1 Play Production and Dramatic Interpretation. C.

This course offers training in the principles of play direction and the elements of acting which are included in the proper interpretation of dramatic rôles; emphasis upon different forms of dramatic reading, training in diction, use of voice for dramatic effectiveness, modulation, stressing inflection; study of pantomime and stage business. Opportunity is given for direction in the experimental plays. (Permission.) Seniors and Juniors.

Laboratory fee, $2.50 per semester.

Also see English 26.

DRAWING AND SURVEYING

Professor SWETT

21. MECHANICAL DRAWING. A

Designed for two classes of students, (1) those preparing for the engineering profession, (2) those desiring a course in graphics as a preparation for making and reading plans and graphs.
Instrument fee, $5.

31.1 ADVANCED DRAFTING. B

A continuation of D. and S. 21. For part of the semester each student will elect some branch of drafting for specialization. (D. and S. 21.)
Instrument fee, $2.50.

31.2 SURVEYING AND TOPOGRAPHY. B

Lectures, field work, and drafting. Use of instruments; computations; plotting. (D. and S. 21.)
Instrument fee, $2.50.

32.1 DESCRIPTIVE GEOMETRY. C

Problems relating to lines and planes; to single curved, double curved, and warped surfaces; intersection of solids. (D. and S. 21.)
Instrument fee, $2.50.

ECONOMICS

Professor FIFE*
Assistant Professor RUSBY
Assistant Professor PRENTICE
Assistant Professor BROWN

21. THE ELEMENTARY PRINCIPLES OF ECONOMICS. A

An introductory course covering the general field of economics. The basic concepts. The production and exchange of wealth. Value and price. The mechanism of exchange—money and banking, marketing, international trade, etc. The distribution of wealth—rent, wages, interest and profits. Labor problems. The types of economic organization of society—capitalism, socialism, communism, etc. Government finance and taxation.
Sophomores, Juniors. (Seniors by permission.)
Assistant Professors PRENTICE, RUSBY, BROWN.

31. THE FINANCIAL ORGANIZATION OF SOCIETY. B

A survey course. The development and functioning of financial institutions. Money and credit. Corporations and their financing. Commercial, investment, and savings banks. The American banking system. The stock exchange. Financing agriculture, real estate, etc. (Economics 21.)
Assistant Professor BROWN.

* On leave.

33.1 Marketing and the Principles of Exchange. B

A study of market structures, and the marketing process, with special reference to agricultural products, raw materials, producers' and consumers' goods. Marketing functions, and the middleman structure. Relations between consumers, middlemen and producers. Co-operative marketing. Cases and problems. A case study is required. (Economics 21.)
Assistant Professor Rusby.

33.2 Transportation. B

The development and significance of the modern systems of communication. The principles of land and water transportation. American experience and problems. The Interstate Commerce Commission and the railways. The Merchant Marine past and present. Government Control and Government Ownership of transportation facilities. Labor Problems and the Carriers. (Economics 21.)
Assistant Professor Prentice.

34.1 Corporation Finance and Investments. C

The rise of Corporate forms of organization. The promotion and financing of the corporation. Raising and managing capital. Principles of investment, and the analysis of securities. (Economics 21. and 31. Economics 31. and 34.1 may be taken contemporaneously.)
Assistant Professor Prentice.

37. The Principles of Accounting. B

Interpretative accounting. The bookkeeping process is reduced as much as possible, and interpretation stressed. The rudiments of business statistics. (Major work in Economics.) (Economics 21.)
Assistant Professor Brown.

41. Labor Conditions and Problems. C. Grad.

The course deals first with the origin of labor problems, the rise of capitalism and the wage system, freedom of contract, etc. Second, labor conditions and the standard of living. Third, the workers' approach to their own problems—collective bargaining, the trade union, and the workers' philosophy. Fourth, the employers' approach to the labor problem—the employers' associations, labor management, and employer philosophy. Fifth, the social approach to the labor problem —the social conflict between capital and labor, labor legislation, and social goals and welfare. (Economics 21.)
Assistant Professor Rusby.

42.1 Government Finance. C. Grad.

The evolution of Government Finance. Governments as collective spending agencies. The modern increase in public expenditures, and the need for budgeting. The various forms of revenue. Taxation and tax incidence. Public industries, public domain, and public monopolies. Public credit, and the public debt. (Economics 21. and 31., also open to students taking major work in Government.)
Assistant Professor Brown.

[42.2 Social Control of Economic Activity. C. Grad.]

The course is conducted on seminar basis with thesis. It aims to discuss the economic philosophy of modern times, and deals primarily with the relations between government and the economic activities of the people such as competition and monopoly, regulation and control, promotion and prohibition, capitalism versus socialism, and other suggested forms of economic organization of society.
Seminar for Honor or Graduate Students.

43.2 International Trade and Finance. C. Grad.

International Trade in theory and practice. Our markets and competitors. Governmental regulation of international trade. Free Trade, Tariffs, Reciprocity, Preferences, and most favored nations agreements. (Economics 42.1.)
Assistant Professor Brown.

44.2 Applied Economics. B. Grad.

The course deals with major economic problems in such a fashion as to correlate economic principles with the currents of economic society. (Option for comprehensive exams.) (Permission.)
Assistant Professor Rusby.

[45.1 Banking. C]

An advanced course studying the development of banking in U. S. and the major foreign banking systems, the Federal Reserve System, and International Banking. (Economics 21. and 31.)

48. Economic Thought and Modern Economic Tendencies. C. Grad.

A study of economic thought as it has evolved in the light of economic history, and present tendencies in economic thought and theory. (Economics 21. and permission.)
Assistant Professor Prentice.

[46. Honors and Special Courses. C. Grad.]

Special courses for graduate and honor students and for research work may be arranged to suit the needs of students.

49. Economic History. C

See Hist. 32.
Assistant Professor Prentice.

Note: Those interested in economics as their major study are advised to elect as many of the following courses as possible: economic geography, economic history, business law, mathematics of finance and statistics. Courses in psychology, philosophy and sociology are also recommended where possible. These are regarded as related and allied fields. Honor students must offer Economic History (Hist. 32.) and Economic Geography (G. and G. 25. 1, .2.). Students preparing for business should make a special effort to secure a good grounding in English.

Honor students are required to take a written general examination covering the special field of interest, and an oral general examination covering the entire field of economics as offered in the courses. In addition a thesis is required based on independent study and research.

EDUCATION AND PSYCHOLOGY

Professor HOWARD
Professor KINGSLEY
Professor ADAMS*

Beginning with the class of 1934 students will not be permitted to major in Education.

Detailed information concerning the requirements for certification in the various states will be furnished by the department.

21.1 INTRODUCTION TO PSYCHOLOGY. A

A study of the essential facts and principles of human behavior. The inborn tendencies and their functions; the various conscious processes; learning and habit formation; intelligence; individual differences; factors in human personality; social behavior; fields and methods of psychology. (Open to the three upper classes.) Prescribed for students of Education and recommended for those in Philosophy and Sociology.

Book fee, $2.

Professor HOWARD.

22.2 SOCIAL PSYCHOLOGY. B

A study of the forms of human behavior which characterize the group; their relation to social progress, nationality, community and institutional life, and individual development. (Educ. 21.1.)

Book fee, $5.

Professor KINGSLEY.

23.2 HISTORY OF EDUCATION. B

The historical evolution of educational theories and practices. Great educational reformers and their influences. Present-day education in relation to the past. Following a study of the European background, emphasis will be given to the development of present American systems of education. (Educ. 21.1.)

Book fee $5.

Professor KINGSLEY.

24.2 FIELDS OF PSYCHOLOGY. B

A survey of the problems, interpretations, principles, methods, and achievements in the major fields of psychology. The contribution of psychology to human welfare will be emphasized. (Education 21.1 and permission.)

Professor HOWARD.

34.1 PRINCIPLES AND PROBLEMS OF EDUCATION. C

The scientific and philosophical bases of current educational practices. The aims of education. Principles involved in the selection and organization of subject matter and in the learning process. Aims and achievements of recent re-organizations. The influence of progress

* On leave.

and geographic conditions upon education. Some inherited problems. Study of such problems as interest and motivation, individual differences, moral and civic instruction, training for appreciation, efficiency in the school room. Use of tests and statistical methods.
No text. Extensive readings. Book fee, $5 (one B course).
Professor KINGSLEY.

34.2 EDUCATIONAL PSYCHOLOGY. C

Innate tendencies and capacities; heredity; individual differences and their significance in education; individual and group intelligence tests; types and principles of learning; mental training and transfers; mental attitudes; educational tests and their uses. (Educ. 21.1.)
Professor HOWARD.

41.1, .2 METHOD IN SECONDARY EDUCATION. C

Study of type of teaching, type and function of recitation, supervised study, collection and use of materials, use of teachers' devices, general and special method technique of instruction, textbook criticism, announcement and presentation of lessons and use of educational literature. (One B Course in Educ. Seniors only.)
Professors HOWARD and KINGSLEY.

42.1, .2 PRACTICAL WORK IN EDUCATION. C

A limited number of qualified seniors are given an opportunity to do apprentice work at the local high school. This consists of observation, reading papers, supervising laboratory work, giving special assistance to pupils individually or in small groups, and at times taking charge of the class under the direction of the teacher. The details of the work will vary according to the nature of the subject but each apprentice teacher will be given much first-hand experience with problems of management and instruction. Frequent group conference with an instructor in the Department will be required. (Permission.)
Professor HOWARD.

[43.2 EDUCATIONAL ADMINISTRATION AND SEMINAR IN EDUCATION. C]

For students who plan to become supervisors or principals. Standards of excellence in teaching and supervising. Aims and techniques in the school subjects. School surveys. Means of rating systems, methods, and teachers. Problems involved in developing morale in teaching staff and community. Students will survey and extensively follow special methods in their proposed major subjects. The men will emphasize the duties and functions of small principalships.
(A grade of 80 per cent in two B courses required to enter without special permission.)

COURSES IN SPECIAL METHODS.

The following departments offer courses in special methods. Descriptions of these courses are given under the announcements of the respective departments.

English	History	Mathematics
French	Home Economics	Physical Education
German	Latin	Spanish

ENGLISH

Professor BEERS
Professor CADY
Associate Professor OWEN
Assistant Professor PERKINS
Mr. HAMMOND
Mr. LEE
Mr. BROWN

Dr. ADAMS

I. Freshman Required Course:

Freshmen who have had a course in the History of English Literature in high school may, upon passing an examination in September with a grade of 75, be excused from this course, but must elect other English courses of B grade. Examination carries no credit for the course.

(No student will be allowed credit for Freshman English, English 11., History of English Literature, who has failed to attain an average of 75 in his composition work for freshman year. When such student can give evidence that he has passed English Composition, English 21., credit for his Freshman course will be restored.)

11. HISTORY OF ENGLISH LITERATURE. A

Required of all Freshmen.

A rapid but intensive survey of all the periods of English Literature studied in chronological order with direct relation to historical background. Representative works from all the major and from several minor literary men are read. While primarily a course in the History of Literature training in composition is given and definite theme assignments are made for each month.

Professor BEERS, Assistant Professor PERKINS, Associate Professor OWEN, and Instructors HAMMOND and BROWN.

II. Courses in Literary History:

[41.1 ENGLISH LITERATURE FROM THE ANGLO-SAXON PERIOD TO CHAUCER. C. Grad.]

The work extends chronologically from about 500 to about 1350 and includes readings from the Old and Middle English prose and poetry. The Old English will be read in translation, the Middle English in the original. (English 11. and permission.)

31. English Literature from 1400 to 1660. C

A study emphasizing the literature, with the exception of the drama, as a record of the main currents of thought throughout the period. The early humanists Spenser and Milton, will receive the major emphasis. (English 11. and permission.)
Professor Cady.

32. English Literature from 1660 to 1800. C

A study in the development of literature from 1660 to the beginning of the nineteenth century. Particular consideration given to the Neo-classic school and to the Pre-Romantic writers. (English 11. and permission.)
Mr. Hammond.

22.1 Prose and Poetry of the Romantic Period. B

The major representatives of the Romantic Movement, from Wordsworth to Tennyson, including the forerunners of the movement and its underlying philosophy. (English 11.)
Professor Beers.

23.2 Prose and Poetry of the Victorian Period. B

The Victorian poets and essayists. Particular attention to the poets—Tennyson, Browning, Rossetti, Morris and Swinburne and to the essayists—Carlyle, Ruskin and Arnold. (English 11.)
Professor Beers.

37. The English Bible. B

A study of how the Bible grew, its literature and the development of religion through the Scriptures. The purpose of this course is to give a general knowledge of the Bible which a cultured person should have. Lectures, reading and discussions. (Students passing the course are not required to take the general examination in the Bible.)
Doctor Adams.

III. Courses in the Drama:

25. Shakespeare. B

A detailed reading of certain typical plays with the purpose of developing an intelligent appreciation of them as drama. (English 11. and permission.)
Professor Cady.

35. Elizabethan Drama. C

The main trends of dramatic development from 1580 to 1642 with especial attention to the growing perception of dramatic theory and technique. (Permission.)
Professor Cady.

[42.1 Studies in 16th Century Drama. C. Grad.]

Pre-Shakespearean Drama. A study of the development of the Drama from the beginnings to 1580. (Either English 35. or 25. and permission.)

42.2 Studies in Elizabethan Literature. (Milton.) C. Grad.
A study of his poetry to determine the quality of his mind and his outlook upon life. (Either English 31. or 42.1 and permission.)
Professor Cady.

IV. Courses in Composition:

21. Elementary Composition. B
Rudimentary training in the mechanics of composition; required of students whose themes in English 11. have been unsatisfactory, and elective to such others as are actually handicapped by deficiencies in self-expression. (English 11. and permission.)
Mr. Brown.

[26. Argumentation and Debate. B]
The theory and practice of argumentation. A study of principles, assembling material and briefing arguments with extensive practice in formal debate. Each student is required to take part in at least one public debate. (English 11. and permission.)

28. Writing from Models. B
A study of several of the more interesting contemporary authors from the point of view of the literary qualities and technical principles which they illustrate. These principles will be utilized by the student in his own weekly papers, which in turn will be criticized in classroom discussion and, as far as possible, in individual conferences with the instructor. (English 11.)
Mr. Brown.

36. Introduction to Principles of Journalism. B
A comprehensive survey of newspaper and magazine journalism, with practice in writing various forms. (English 11. and permission.)
Mr. Lee.

38. Literary Composition. C
Practice in the writing of the shorter literary types; weekly conferences on individual problems with the instructor; and informal classroom discussions of the principles and theories of literary criticism. (English 11. and one other course in English or American Literature; or permission.)
Mr. Brown.

V. Courses in the study of Types and Forms of Literature and of Individual Writers:

24. The English Novel. B
A study of the development of English fiction from the beginnings through Conrad. Reading and discussion of representative novels by the best novelists, study of personalities, influences, movements story types and critical standards presented in class by the instructor. (English 11. and permission.)
Assistant Professor Perkins.

34. Comparative Fiction. C

A comparative study of recognized masterpieces of Continental fiction, based on the student's knowledge of the history of English literature and of the English novel in particular. Reading and analysis of outstanding novels from Russia, France, Germany, Spain and Italy, with emphasis upon class reports and discussion by the students. Talks by the instructor on additional books and writers, and on the history and background of the novel in each of the countries considered. (Two years of English and permission.)
Assistant Professor Perkins.

39.2 Literary Criticism. C

In this course various types of literary criticism will be studied and the advantages and limitations of each type will be discussed in order that a sound method for criticizing various types of literature may be evolved. Next, standards of criticism which should be of practical use in evaluating the student's literary experience will be formulated. Emphasis will be placed upon actual criticism of contemporary literature. (Permission.)
Associate Professor Owen.

33.1 The Poetry of Robert Browning. C

An intensive study of the poetry of Browning. The manifold philosophic, musical and artistic interests of the poet will be considered as they reveal themselves in his work and an effort will be made to interpret that work in the light of a cultural background which has no equal among English writers. (Permission.)
Associate Professor Owen.

41.2 Chaucer. C. Grad.

Practically all of Chaucer's work will be read. The influence of Chaucer on the development of English literature, attitudes of scholars and critics toward Chaucer. Informal discussions, readings and reports. (English 11. and permission.)
Professor Beers.

43. Poetics. C.

The study of the groundwork of poetic appreciation. (Two-year courses in English Literature.) (Permission)
Assistant Professor Perkins.

[44. Research and Special Work. C. Grad.]

Students properly qualified to do independent study will be given opportunity to carry on special work under the direction of a member of the Department.

45.1 Contemporary English Poetry. C

Readings and informal discussions of Modern English Poetry. (Permission.)
Professor Beers.

46.1 METHODS OF TEACHING ENGLISH. C. Grad.

Designed for students majoring in English. The course is planned to give the student a definite knowledge of those English writers and works studied in high school with some supplementary instruction in methods of presentation of material. (Three-year courses in English or American Literature.)
Professor CADY.

The Comprehensive Examination in English Literature at the end of the Senior year will be of such scope as to test the students' knowledge of the development of the literature from the Anglo-Saxon period to the present time and their ability to use the English language in oral and written form. Students attaining a grade of 75 in the examination will be exempt from final examinations in the courses within the department.
To satisfy the major requirement in English the student must take at least two year (or four semester) courses in Literary History. See group II.

FINE ARTS

Professor BURRAGE
Associate Professor OWEN

31.1 THE APPRECIATION OF ART.

Associate Professor OWEN.

32.1 GREEK ART.

Instruction is given by lectures and stereopticon talks, supplemented by extensive reading on the student's part. Written tests come frequently. The art and civilization of Assyria, Egypt and other nations whose work had a formative influence on the Greeks are treated by way of introduction to Greek art proper.
Professor BURRAGE.

FRENCH

Professor FREEMAN
Associate Professor RANTY
Assistant Professor BINAND
Assistant Professor BOORSCH
Assistant Professor NOLLET

11a. BEGINNERS' FRENCH. A

A careful training in the elements of French grammar, with emphasis on pronunciation and conversation. Reading of simple selections. Conducted chiefly in French, and designed to give the student a solid foundation for further study of spoken and literary French. (For all students having insufficient preparation in French.) Six hours a week.
Associate Professor RANTY.

12. Intermediate French. A

A general review of grammar; composition, dictation, conversation; reading from the best French authors. Designed to give students entering college a thorough preparation in the spoken language, and a solid grammatical foundation for the more advanced work. (For all students offering two or three years of preparatory French, or French 11a.)
Associate Professor Ranty, Assistant Professors Binand and Nollet.

21. Intermediate Composition and Reading. B

Composition of moderate difficulty based on a French text, a review of grammar, free composition, dictation and conversation. Reading of modern prose, short novels, plays, with discussion in French of the works read. Designed to give the student a command of the written and spoken language, and to enable him to read easily and assimilate a literary text. (For Juniors, Sophomores and Freshmen. Prerequisite, French 12, or four years of preparatory French.)
Professor Freeman, Assistant Professors Binand, Boorsch and Nollet.

31. Introduction to French Literature. C

A rapid but intensive study of works of the best authors, from the Middle Ages to the end of the nineteenth century, including representative plays, poetry and novels. Written reports. Class discussion of literary values, and an outline of literary history. (For Seniors, Juniors and Sophomores. Prerequisite, French 21.)
Professor Freeman.

32. Advanced Grammar and Advanced Composition. C. Grad.

A systematic and thorough review of French grammar, with special stress upon the difficult points of syntax; vocabulary building; French idioms; composition based on idiomatic texts; the elements of French style, and translation into French of English stylists; practice in free composition. Designed to give the final preparation in grammar to students who intend to teach French. (For Seniors and Juniors. Prerequisite, French 21.)
Professor Freeman.

41.1 Phonetics and Diction. C. Grad.

An analytic and comparative study of French sounds. A description of the organs of speech. Practice in the phonetic alphabet. Special attention given to the difficulties experienced by American students in perceiving, producing, and combining French sound groups. Systematic exercises in pronunciation and intonation. The use of phonetics in teaching French in high schools. (For Seniors. Prerequisite, French 21.)
Associate Professor Ranty.

41.2 Methods of Teaching French. C. Grad.

A study of the modern methods of teaching French; extensive reading in the recent treatises on modern language pedagogy. The direct

method and its applications; the selection of textbooks; the use of realia in the classroom; practical demonstrations of class work, and practice teaching. (For Seniors. Prerequisite, French 21.)
Professor FREEMAN.

42. CONVERSATION AND VOCABULARY. C. Grad.

Designed to develop fluency in speaking French, and a command of idiomatic expression. Organized vocabulary development and oral composition on the basis of French life and customs. (For Seniors. Juniors by permission. Prerequisite, French 21.) May be taken either half year for credit.
Assistant Professor BINAND.

43. FRENCH LITERATURE OF THE NINETEENTH CENTURY. C. Grad.

A detailed study of the great literary movements of the last century; romanticism, realism, and symbolism. Careful analysis of texts and literary theories in class discussions; extensive outside reading of novels, plays and poetry; written and oral reports. A survey of literary history continued down to the present, with an attempt to indicate the chief tendencies of contemporary literature. (For Seniors. Prerequisite, French 31.)
Assistant Professor BOORSCH.

44. FRENCH CIVILIZATION. C. Grad.

An analysis of the development of the French nation. The geography of France; an outline of its political history; the growth of its arts, sciences and institutions; the meaning of French culture, and of French political, educational and religious life; and an interpretation of modern France in the light of its history and growth. Designed to help students to understand the country and its people, either for teaching or for travel. Especially recommended in preparation for the Comprehensive Examination. (For Seniors. Prerequisite, French 31. and permission.)
Assistant Professor BOORSCH.

45. SPECIAL. (Individual research in a restricted field.) C. Grad.

Candidates for the Master's Degree and Seniors, if properly qualified, may be permitted by the Chairman of the Department to undertake a special problem in reading and research under the direction of some member of the department. This work, which will count as a full course, will require at least nine hours of study a week. The student will meet the instructor one hour each week, for discussion and guidance. A thesis, or an examination, or both, will be required at the end of the course. Properly qualified graduate students may undertake two such separate problems.

a. Literature from the Middle Ages to the contemporary period.
Professor FREEMAN, Assistant Professors BOORSCH and NOLLET.

b. Civilization, Geography, and History.
Assistant Professor BOORSCH.

c. Grammar and Teaching Methods.
Professor FREEMAN.

d. Phonetics.
Associate Professor RANTY.

Note 1: All courses in the French Department are conducted in French, at the Château. Students intending to teach French after graduation should attend at least courses 31., 32., 41.1 and 41.2.
Note 2: No thesis is required for the Master's Degree except such dissertations as are required in the separate courses pursued.

GEOLOGY AND GEOGRAPHY

Professor SWETT
Associate Professor SCHMIDT

21.1 PHYSICAL AND STRUCTURAL GEOLOGY. A

The physical features of the earth; the agencies responsible for our topography; the structure of the earth's crust; and the more important rocks and minerals. Field trips.
Fee, $2.50.
Associate Professor SCHMIDT.

21.2 HISTORICAL GEOLOGY. B

The probable origin of the earth; the rise and evolution of organic forms as disclosed by fossil remains and the causes responsible for this progressive development; and the past history of oceans, climates, and continents. Field trips. (Geo. 21.1.)
Associate Professor SCHMIDT.

25. ECONOMIC GEOGRAPHY. B

Physical facts of man's geographic environment; their relation to man's economic activities, especially to industry and commerce. This course is designed both as a part of a liberal education and for students who expect to enter business.
Professor SWETT and Associate Professor SCHMIDT.

31.1 MINERALOGY. C

The identification of the important minerals by blowpipe, flame, assay, bead and sensitive chemical test. The crystal structure of the minerals will also be considered. Field trips. (Geo. 21.1 or Chem. 11., or permission.)
Laboratory fee, $5.
Associate Professor SCHMIDT.

31.2 ECONOMIC GEOLOGY. C

Study of the metallic and non-metallic mineral resources of the United States, and their worldwide distribution such as coal, petroleum, salts, fertilizers, iron, copper, gold, silver, etc.; discussion of their geologic origin, structure of ore deposits, and economic importance. Field trips, oral and written reports. (Geo. 21.2 and 31.1.)
Professor SCHMIDT.

[32.2 GEOLOGY OF NORTH AMERICA. C]

A detailed survey of the geologic history, the rock structures, and the mineral deposits of the different physiographic provinces of North

America. Classroom discussion, outside reading in Geologic Literature, and reports. (Geo. 21.2 or permission.)

33.2 Structural Geology. C

A detailed study of the structures in the earth's crust; how they were formed; the forces involved; and their influence on topography. Outside readings; study of maps and folios; field problem. (Geo. 21.2 and permission.)
Associate Professor Schmidt.

37.1 Geography of the Western Hemisphere. C

A regional study of the physical and economic geography of the Western Hemisphere. (Geo. 25.)
Professor Swett.

37.2 Geography of the Eastern Hemisphere. C

A regional study of the physical and economic geography of the Eastern Hemisphere. (Geo. 25.)
Professor Swett.

GERMAN

Professor Skillings
Associate Professor Neuse

11. Beginners' German.

Elements of phonetics, drill in pronunciation and comprehending the spoken language; elements of grammar; reading of simple prose.
Professor Skillings and Associate Professor Neuse.

21. Intermediate German. B

Grammar review; reading, composition, conversation and free reproduction. (German 11. or two years of preparatory school German.)
Professor Skillings and Associate Professor Neuse.

22. Scientific German. B

A course for those who wish to acquire the ability to consult German works in the natural sciences, history, etc. (German 11. or equivalent.)
Associate Professor Neuse.

31. Contemporary German. C. (Formerly "Advanced German".)

A course which aims to develop facility in reading and writing German in order to prepare the students for the more advanced courses. The basis of study is the contemporary German short story and novelette. (German 21. or 22.)
Associate Professor Neuse.

41. Goethe and Schiller. C. Grad. (Formerly "The Classic Period".)

A study of the masterpieces of Goethe and Schiller, with some attention to the political, social, and literary conditions of the time. (German 31.)
Professor Skillings.

[42. German Literature of the Nineteenth Century. C. Grad.]
Representative dramas, short stories, novels and poetry are read and discussed. The development of German literature through the nineteenth century to the present time is also studied. (German 31.)

[43. Survey of German Literature as Far as Lessing. C. Grad.]
(German 31.)

44.1 German Civilization. C. Grad.
A study of the German people and its geographical, historical, economical, and political background. German art and education. An analysis of the German mind with special reference to the German language and contemporary literature. (German 31.) (44.2 given in 1934-35.)
Associate Professor Neuse.

[45.1 Goethe's Faust. C. Grad.]
(German 31.)

46.2 The Teaching of German. C.
A study of German pronunciation, grammar, reading and composition from the standpoint of the prospective teacher. Training in the direct method. Discussion of such topics as the aims and methods of modern language study, textbooks and Realien. (German 31. or permission.)
Professor Skillings.

GREEK

Professor Burrage

11. Beginners' Greek. A

21.1 Colson's Greek Reader and the Gospel of Mark. B
(Greek 11. or its equivalent.)

21.2 Homer's Odyssey. B
(Greek 21.1.)
(*Greek 11. or Greek 21.1, .2 or Latin 11. is required of A.B. Freshmen.*)

31.1 Euripides' "Iphigenia Among the Taurians"; Lyric Poets. C
Lectures are given on the origin, history, and purpose of the drama. (Greek 21.1, .2.)

31.2 Plato's Apology. C
(Greek 31.1.)

41.1 Sophocles and Aeschylus. C
The *Electra* of Sophocles; the *Prometheus* of Aeschylus. (Greek 31.2.)

41.2 Aristophanes. C

The *Clouds* and *Birds*. (Greek 41.1.)

[42.1 Plato's Republic. C]

(Greek 31.2.)

[42.2 Aristotle's Ethics. C]

Courses 42.1, .2 alternate with 41.1, .2. They afford students of philosophy and ethics a chance to read in the original tongue the two masterpieces of the two greatest minds of antiquity. The charm of the *Republic* as literature will receive special emphasis. (Greek 42.1.)

HISTORY

Professor Kline
Associate Professor Davison

Professor White
Assistant Professor Prentice

12.1, .2 Political and Social History of Western Europe. A

European institutions and civilization from the fall of Rome to the present day.
Associate Professor Davison.

22. American History. B

A general course covering the period from the adoption of the Constitution to the present time.
Professor Kline.

23. Modern English History. B

The history of England and the development of the British Empire from the Tudor times to Commonwealth of Nations of recent years.
Associate Professor Davison.

32. Social and Economic History of the United States.

A survey of the economic development of western Europe from the decline of manorial economy to the expansion of Europe to America, followed by a brief study of the economic advance of the English colonies during the colonial period, and a more extensive study of various phases of the social and industrial life of the American peoples during the national period to the present time. (History 12. or permission.)
Assistant Professor Prentice.

33.2 Ancient History. B

Development of ancient civilization, with special emphasis on Greece and Rome. Much attention is paid to the use of sources, as being of extreme importance in supplying the proper viewpoint and stimulus especially to those who are to teach ancient history in high schools.
Professor White.

34. Modern Europe, 1648-1930. B

A study of the development of the European nations from the Peace of Westphalia to the present, placing special emphasis upon the establishment of the pre-Revolutionary European state systems, the French Revolution and Napoleonic era, the growth of democracy and nationalism, and the expansion of European political influence in Africa and Asia. (Hist. 12.1, .2.)
Associate Professor Davison.

41. Contemporary World Politics. C. Grad.

A survey of the field of international relations with special reference to the problems arising out of the World War. (Two B courses.)
Professor Kline.

[43.2 The Teaching of History. C. Grad.]

A course for students who intend to teach history in high school. (Two B courses.)

[44.2 Latin American History. C]

A discussion course dealing with Latin American History, institutions and civilization during the colonial, revolutionary and independent periods. Intended primarily for Seniors.

45.1 The Development of Western Civilization. C. Grad.

A general survey of the development of modern civilization from early times to the present.
Professor Kline.

46. Advanced Studies in History. C. Grad.

An intensive study of some limited phase of history for the purpose of affording training in methods of historical research, critical evaluation of sources, and scholarly presentation of the results of historical investigation. The subject for study in 1933-4 will be the Development of American Thought and Culture. (Permission of instructor.)
Professor Kline.

HOME ECONOMICS

Professor Knapp
Miss Bowles
Miss Gibson

11. Food: Its Selection and Preparation. A

Classification, composition, and functions of foods; principles involved in application of heat to food constituents; various processes applied in the preparation of foods; simple meal preparation and serving. Recitations, lectures, and laboratory work.
Laboratory fee $20.
Miss Gibson.

21. Clothing and Textiles. A

The fundamental stitches; use of patterns; hand and machine sewing applied to simple garments, elementary design and a study of textiles.

Laboratory fee, $6.

Professor Knapp.

31. Nutrition and Meal Planning. C

Preservation of foods by means of canning, pickling, preserving, and jelly-making; food buying; processes in the preparation of foods; nutritive value of foods. Detailed study of menu planning to meet the needs of different types of families and persons at various income levels. Preparation and serving of meals to guests. (H. E. 11., Chem. 11.)

Laboratory fee, $20.

Miss Gibson.

33.1 Household Administration. B

Woman's place in the home and the community; selection, arrangement and use of household equipment; sanitation; heating; lighting; care of the house; domestic service; division of income and accounting. (H. E. 11.)

Professor Knapp.

34.2 House Planning and Decoration. C

Development of the house; study of house plans; house construction; planning of grounds; design as applied to houses; color schemes; the choosing of appropriate and harmonious furniture and draperies; study of period furniture. (H. E. 33.1 or H. E. 21.)

Professor Knapp.

35.2 Home Management House. C

Practical application of the principles of household management, including budget making and household accounts, planning, buying, preparation and serving of meals, and care of the house. (Permission of instructor.)

Professor Knapp.

41.1 Clothing and Millinery. B

Study of design in relation to the entire costume; study of period costume; construction of silk and wool dresses and of hats. (H. E. 21.)

Laboratory fee, $3.

Professor Knapp.

41.2 Advanced Clothing and Millinery. B

A continuation of 41.1 with emphasis on the development of originality in design; study of economic aspects of the clothing problem; construction of dresses, coats and hats of various materials. (H. E. 41.1.)

Professor Knapp.

Laboratory fee, $3.

[42.1 METHODS. C]

Methods of teaching Home Economics; planning courses of study; making lesson plans; practice teaching; studies in equipment. (Five courses in Home Economics.)
Professor KNAPP.

[43.2 DIETETICS. C]

Principles of nutrition; chemistry and physiology of digestion; dietary standards; diets under different conditions; children's diets; school lunches; invalid cookery; detailed work in preparation and cost of balanced meals. (H. E. 31, Biol. 41, 2 years Chem.)
Laboratory fee, $8.
Miss BOWLES.

ITALIAN

Professor WHITE

21. BEGINNERS' ITALIAN.

Attention given to correct pronunciation; much oral practice; reading of simple selections; careful preparation in grammar and vocabulary for the more advanced literary and spoken Italian. Italian will be the principal language used in the classroom.

31. SECOND YEAR ITALIAN.

More detailed study of grammar and vocabulary. Reading of the literature, with class discussion and oral practice to give training in fluency. Foundation laid for further study of Italian literature and culture. (Italian 21. or equivalent.)

LATIN

Professor WHITE
Professor BURRAGE
Professor DAME

11. LIVY, CICERO AND LATIN POETRY. A

The Second Carthaginian War. Translation, prose exercises, study of vocabulary and syntax. Selections from the *Letters* or *De Amicitia* of Cicero. The story of the struggle between Republic and Empire, with the fortunes of Cæsar and Cicero, as written in the *Letters*. Selections from some of the most representative Latin poetry of all periods, intended to give the student a view of the wide range of Latin literature.
Professor DAME.
(*Latin 11. or Greek 21.1 and 21.2 or Greek 11. is required of A.B. Freshmen.*)

21.1 PLINY THE YOUNGER. B

Selections from the *Letters* are made, presenting a large number of references to life and customs, and intended to bring the student into

close touch with the daily life of the Romans. This course is requisite to all the courses following. (Latin 11.)
Professor WHITE.

21.2 HORACE. B

Selected *Odes* and *Epodes*. Comparison of the odes with the lyrics in Latin, English and other languages. (Latin 21.1.)
Professor BURRAGE.

31.1 ROMAN COMEDY. C

The translation of the *Captivi* and *Trinummus* of Plautus, with rapid reading from the *Andria* of Terence. (Latin 21.1 or 21.2.)
Professor BURRAGE.

31.2 TACITUS. C

The *Germania* and *Agricola*. Comparison of Tacitus with other writers of his time. A study of the Roman colonial system. The history of the later Empire; the influence of Rome on the northern tribes. Library reading. (Latin 21.1 or 21.2.)
Professor DAME.

[32.1 ROMAN SATIRE. C]

Selections from the *Satires* of Horace, Juvenal, and Persius and the *Epigrams* of Martial. A study of Roman society under the early Empire. (Latin 21.1 or 21.2.) (This course alternates with Latin 31.1.)
Professor BURRAGE.

[32.2 LATIN LITERATURE AND SELECTIONS. C]

A study of the development of Latin literature with representative selections in prose and verse for advanced students. (Latin 21.1 or 21.2.) (This course alternates with Latin 31.2.)
Professor DAME.

41.1 ADVANCED LATIN PROSE FOR TEACHERS. C. Grad.

Latin writing, based chiefly on Cæsar's *Gallic War*. A systematic study of Latin syntax, vocabulary and idioms. (One C course.)
Professor DAME.

41.2 THE TEACHING OF PREPARATORY LATIN. C. Grad.

A study of methods and authors used, and teaching problems; the necessity of making Latin a live language; quality *versus* quantity; literary appreciation. (One C course.)
Professor WHITE.

MATHEMATICS

Professor PERKINS
Associate Professor WILEY

11. ELEMENTARY MATHEMATICAL ANALYSIS. A

Designed to give a comprehensive survey of the most useful parts of elementary mathematical theory carefully correlated and given

unity around the central idea of the universality of the cause and effect relation. Practice is given in such parts of the elements of trigonometry, analytic geometry, and the calculus as are essential for the solution of simple problems and the reading of any texts dealing with elementary physics, chemistry, economics or any of the other sciences.

(*11. is required of all B.S. Freshmen and elective for A.B. students of all classes.*)

Professor PERKINS and Associate Professor WILEY.

21. MATHEMATICAL ANALYSIS. B

The logical continuation of Mathematics 11. offering some opportunity for review of the theory covered in the Freshman year. (Mathematics 11.)

Associate Professor WILEY.

22. MATHEMATICS OF FINANCE. B

For those whose chief interest lies in other fields than mathematics but who still wish to satisfy the requirement in mathematics, this, as a Sophomore course, offers a good training in finance. Such topics as the mathematics of investment, of amortization of debts, of depreciation of annuities and of insurance are treated. Other students are advised to defer this course until a later year. (Mathematics 11. and permission.)

Professor PERKINS.

31. APPLIED MATHEMATICAL ANALYSIS. C

A continuation of Mathematics 21. It should be elected by students whose chief interest is in mathematics and by those who plan to continue along the main line of development of the subject. (Mathematics 21.)

Associate Professor WILEY.

[42. TEACHING OF PREPARATORY MATHEMATICS. C]

Essentially a senior course for prospective teachers of high school mathematics.

Consideration of the place and the use of arithmetic, algebra, geometry and trigonometry and the standards to be set in the teaching of these subjects; the collection and arrangement of historical and biographical material to form a background that shall awaken interest in the subject-matter; practice in the selection of texts and the laying out of courses; a study of fundamental principles and discussions of methods of presentation and explanation. (Mathematics 11. and 21. or 22.)

43. SELECTED TOPICS. C

This course will deal with topics chosen from different fields of higher mathematics. (Mathematics 31.)

Associate Professor WILEY.

44. MODERN HIGHER GEOMETRY. C. Grad.

Subjects selected from Graustein's text. (Mathematics 31.)

Professor PERKINS.

[45. Statistical Methods. C. Grad.]
(Mathematics 11. and Mathematics 21. or Mathematics 22.)

MUSIC

Professor Hathaway
Mr. Larsen
Assistant Professor Fish
Mrs. Seaver

The aim of this department is to cultivate a knowledge of music by offering courses planned along lines of general academic training and to develop students who shall learn to understand and appreciate music in the same degree that they understand and appreciate other arts.

Emphasis is also laid upon the technical side and courses are offered in pianoforte, organ, singing, violin and violoncello.

While it is not planned to develop professional musicians, students who give evidence of special talent may continue their work with thoroughness during their college course.

11.1 Musical Theory. A

Elementary work in musical notation. General musical definitions. Metre and rhythm. Keys and scales. Major and minor signatures. Sight singing and dictation. Rhythmic patterns. Melody writing and melody construction. Text. "Ear Training and Sight Singing." Wedge.
Assistant Professor Fish.

11.2 Elementary Harmony. B

The first steps in the study of musical composition and of the analysis of musical works. The course embraces triads and their progressions, and modulation, also the invention and harmonization of melodies and choral writing in four parts. Keyboard work. (11.1 and sufficient piano technic to play simple hymns.) Text. "Applied Harmony." Wedge.
Assistant Professor Fish.

21.1, .2 Advanced Harmony. C

A continuation of Music 11.1, .2. The course includes a study of the chief chromatic chords and their use in modern composition. Suspensions, ornamentation, auxiliary and changing notes, melodic figuration and pedal point. (Music 11.1, .2.)
Assistant Professor Fish.

22.A Pianoforte Music, Its Composers, Characteristics and Interpretation. B

A course designed for students interested in the study of the pianoforte playing. Its aim is to furnish as a background knowledge of the development of music written for the piano and how it has arrived at its present stage. The piano styles of the different composers are

studied, being determined, as they are, by the time in which they lived and the status of the instruments of the time. Characteristics which differentiate the music of one composer from that of another are emphasized. Two hours lecture and recitation; one hour practical work at the piano.
Professor HATHAWAY.

31. COUNTERPOINT. C

Counterpoint in two, three and four parts in the various species. Original work in the smaller contrapuntal forms. (Music 21.1 and 21.2.)
Professor HATHAWAY.

32. MUSICAL UNDERSTANDING. A

This course is designed to develop, without going too deeply into technicalities, the ability to listen to good music. It aims to present in untechnical language an account of the evolution of musical forms. Selections are played and illustrated at the piano and by phonograph records. No knowledge of music is necessary for entrance to this course.

The following subjects are included in the course: Polyphonic forms, Absolute and Descriptive Music, Folk Songs and Art Songs. The Orchestra, Popular Music. The music of the Different Nations. Romanticism in Music. The Modern School.
Professor HATHAWAY.

33. PUBLIC SCHOOL MUSIC. B

The course consists in the preparation for the teaching and supervision of music in the public schools. The work of each grade is outlined and problems discussed. Testing and classifying of voices, and organization and management of choruses, glee clubs and orchestras in high schools are taken up as well as some practice in conducting.
Mrs. SEAVER.

42. MUSICAL HISTORY AND ADVANCED APPRECIATION. C. Grad.

A general course in the evolution of musical development from earliest times up to the present and of the masterpieces produced during that period. Lectures, required reading and discussion.
Professor HATHAWAY.

43. THE ELEMENTS OF COMPOSITION. C

A course in musical composition open to students who are interested in and possess the technical knowledge and ability represented by previous courses in the department.

It includes the study of form in music and its construction from the musical motive, phrase and period to the dance and song forms, also detailed analysis of the chord structures of classic and modern works. Original work required. (Music 31.)
Professor HATHAWAY.

PRACTICAL COURSES.

M-1. INDIVIDUAL INSTRUCTION IN THE STUDY OF THE PIANOFORTE.
Professor HATHAWAY.

M-2. PRIVATE INSTRUCTION IN ORGAN PLAYING.
Assistant Professor FISH.

M-3. PRIVATE LESSONS IN VOICE PLACING, INTERPRETATION AND REPERTOIRE.
Assistant Professor FISH.

M-4. INSTRUCTION IN VIOLIN AND VIOLONCELLO.
Mr. LARSEN.

Credits: Each practical course, if preceded or accompanied by a theoretical course, will receive one point credit each semester if the student's grades in the preceding year averaged 75 per cent or over. No credit will be given for elementary work in any of the practical courses. It is necessary to have as many theoretical as practical courses if credit for the latter is given.

[ORCHESTRAL PLAYING.]
Open to students who are proficient in the use of some instrument of the modern orchestra will be admitted to the orchestra. Rehearsals are held weekly.
Mr. LARSEN.

Honors in Music: Honors in Music are given when, in addition to the requirements in theoretical courses, a student has given a public recital of classical and modern works.

The College Choir: The College Choir holds two rehearsals weekly and sings at the chapel service each day and at the Sunday vesper service. Opportunity is given to study the works of the best composers of sacred music.

Glee Club: Drill in ensemble singing, study of the works of excellent composers as well as more popular songs for Glee Club programs. Weekly rehearsals.
Miss FISH.

Charges for Practical Courses in Music

(Payable in advance. No rebate will be allowed for lessons missed except in cases of continued illness.)

Organ and Piano instruction—per semester	
1 lesson weekly	$32.00
2 lessons weekly	64.00
Use of piano—1 hour daily—per semester	8.00
Use of organ—1 hour daily—per semester	12.00
Use of room for violin practice 1 hour daily—per semester	4.00

Violin instruction—per semester	
1 lesson weekly	32.00
2 lessons weekly	64.00
Vocal instruction—per semester	
1 lesson weekly	32.00
2 lessons weekly	64.00

Students will be accepted at any time; tuition from the beginning of the semester to the time of registration being deducted.

PHILOSOPHY

Professor HARRINGTON

21. INTRODUCTION TO PHILOSOPHY. A

A natural approach to the problems of Philosophy through a discussion of the common facts of human experience and man's efforts to understand, then a general course dealing with these problems one after another.

[22.2 INTRODUCTORY LOGIC. A]

A study of the principles of sound reasoning, with concrete illustrations at every point and practice in the classroom. (Phil. 21.1 or Ed. 21.1.)

32. STUDIES IN ETHICS. B

A general survey of the moral life of the race, then an inquiry as to the basis of ethical values and especially their relation to self-realization, and then the principles and ideals of social ethics. (Phil. 21.1 or permission.)

41. HISTORY OF PHILOSOPHY. C. Grad.

A survey of the work of the great thinkers and a tracing of the main currents of philosophical thought from the beginning; then an inquiry into recent and contemporary Philosophy. (Phil. 32. or permission.)

42. CONSTRUCTIVE PHILOSOPHY. C. Grad.

An effort to outline a world-view in harmony with the most recent science. The inquiry deals not only with the physical universe but also with society and with the distinctively human values. (Permission.)

Note: Special permission may be given, in individual cases, to students to take advanced courses in Philosophy, even if they have not had the prerequisites specified above, provided they have taken in other departments courses of equal grade and of such a nature as to have furnished the necessary preparation.

PHYSICAL EDUCATION

Associate Professor YOUNG
Miss ROSEVEAR

Since one of the purposes of the required work in physical education is the acquirement of habitual good posture, the Department reserves

the right to reassume control of any upper classman who, though she has satisfactorily completed her required work, shows herself in need of physical supervision.

15. Physical Education.

Fundamental skills in seasonal sports followed by game participation. Fundamental gymnastics. Hygiene.
Associate Professor Young and Miss Rosevear.

25. Physical Education.

Natural rhythms and dances; national, character, and folk dancing; clogging and tap dancing. Home Hygiene and Care of the Sick.
Associate Professor Young, Miss Rosevear, and Miss Gunn.

35.1. Athletic Coaching in High Schools. A

The theory and practice of coaching team and individual sports: hockey, tennis, archery, volleyball and basketball.
Associate Professor Young.

35.2 Supervised Play and Community Recreation. A

Factors in child development and their relation to adult personality. Play and leisure time activities adapted to age groups and interests. Playground supervision and administration of community recreation.

36.2 Community Hygiene and Child Care. B

(1) A general survey of the fundamental principles of sanitary science and disease prevention and their application to water supply, milk and general food supply, and the spread and control of infectious diseases.
(2) The care of the child from the period of infancy through the pre-school age. Child problems of behavior and management which relate to home influence or health habits. Seniors and Juniors.
Miss Rosevear.

45. Methods of Teaching Physical Education. B

Theory, practice and presentation of physical education material. Seniors and Juniors.
Associate Professor Young.

46. Organization and Administration of Physical Education in High Schools and Colleges. C

Program content and arrangement. Physical and medical examinations. Body mechanics. Extra-curricular activities and supervision.

PHYSICS

Professor Bryant
Mr. Wissler

Students majoring in Physics must have Chemistry 11. and Mathematics 21.

21.1, .2 General Physics. A

An introduction to the fundamental principles of general physics. The first semester's work is prerequisite to the second.
Professor Bryant.

[31.1 Heat. B]

The experimental methods that have been used in measuring the various quantities which are connected with this portion of the science are considered in detail. The kinetic theory of matter and thermodynamics are among the additional topics studied. (Phys. 21.)

[32.1 Light. B]

An advanced course for students who wish more knowledge of the subject than can be obtained from general physics. The laws of reflection and of refraction, with their application to optical instruments; the wave theory of light; the spectrum and its teachings; the phenomena of radiation, absorption, dispersion, interference, and diffraction are some of the topics considered. (Phys. 21., Math. 11.)

33.1 Modern Physics. C

A survey of the recent discoveries in Physics and the theories based upon them. The electron, thermionics, photoelectric effect, X-rays, theory of spectra, atomic structure, radioactivity, geophysics, astrophysics, recent ideas in Physics are among the topics considered. (Phys. 21., Math. 21., and permission.)
Professor Bryant.

33.2 Electricity and Magnetism. B

An advanced course covering more thoroughly many of the topics studied in the corresponding work in general physics, together with some additional topics, such as the discharge of electricity through gases, electrons, radio-activity, and wireless telegraphy. (Phys. 21.)
Professor Bryant.

34.1 Physical Measurements. C

Elementary theory and practice of physical manipulation. Laboratory work in the measurements of length, mass, time, velocity, linear and angular acceleration; the verification of the laws of equilibrium of forces; the determination of coefficients of elasticity; the density of solids, liquids, and gases; experiments in sound. (Phys. 21.2.)
Laboratory fee, $5.
Mr. Wissler.

34.2 Physical Measurements. C

Measurements of thermal expansion, specific heat, latent heats of fusion and of evaporation. In electricity, fields of force, electric resistance, electro-motive forces, and strengths of current are measured. The laws of reflection and refraction of light waves and the formation of images by mirrors and lenses are studied, and indices of refraction and lengths of light waves are measured. (Phys. 34.1.)
Laboratory fee, $5.
Mr. Wissler.

41.1 Astronomy. C. Grad.

The celestial sphere; astronomical instruments; determination of latitude, longitude, and time; the earth as an astronomical body; the moon's motions and physical characteristics; the sun's physical characteristics; revelations of the spectroscope; eclipses; planets; comets; stars and nebulae. (Phys. 21.2.)
Professor Bryant.

42.2 Analytical Mechanics. C. Grad.

A discussion of the statics and dynamics of a particle and of a rigid body. Composition and resolution of forces, vectors, center of gravity, work, energy, impulse, moment of inertia, static and kinetic friction. (Phys. 21.2, Math. 21.)
Professor Bryant.

POLITICAL SCIENCE

Professor Cornwall
Mr. Nealley

11. The National Government and Political Parties of the United States. A

This course deals with our national or federal government, its basic theories, formation, structure, powers, and operation, and also with the origin, growth, organization, functions, principles, and programs of our national political parties. (No prerequisites.) Seniors and Juniors by permission. Primarily for Sophomores and Freshmen.
Mr. Nealley.

21. State and City Governments in the United States.

The structure, operation and problems of our state governments are studied during the first semester and of our city governments during the second semester. (Pol. Sc. 11. or permission.) Seniors, Juniors and Sophomores.
Mr. Nealley.

22. Comparative Government. B

A description and analysis of the government of England followed by similar treatment of the governments of several European states, giving careful consideration to the theory and practice of parliamentary government as compared with our own system, and studying municipal government in the United States as compared with several other countries. (Pol. Sc. 11. or permission.) Seniors, Juniors and Sophomores.
Mr. Nealley.

31. Business Law. C

A practical course in business relationships designed for students who expect to engage in business or in professions other than law. (No prerequisites.) Seniors and Juniors by permission.
Professor Cornwall.

[32. European, English and American Political Theories. C]

41. The United States Constitution and Constitutional Law. C. Grad.

A detailed study will be made in this course of the United States Constitution and its growth and development; with special attention to its interpretation by the Supreme Court. The study will be made chiefly by the case method. (Alternates with 42.) Seniors and Juniors by permission.
Professor Cornwall.

[42. International Government. C. Grad.]

A study of international government and organization with a view to understanding and appraising present-day problems and the machinery for dealing with them. (Alternates with 41.) Seniors and Juniors by permission.

43. Political and Legislative Problems of the United States. C. Grad.

A study of political forces and movements in the United States. An analysis of legislation and a study of the actual making of laws, the political aspect and the actual drafting of laws. (Pol. Sc. 11.) Seniors and Juniors. Sophomores by permission.
Professor Cornwall.

SOCIOLOGY

Professor Kingsley
Associate Professor Sholes

11. Contemporary Civilization. A

An orientating and correlating course. One-half of the year will be spent on the physical universe to the extent of considering the fundamental laws, theories, concepts and problems of physical science, while the second half of the year will be spent in considering the mental and social nature of man in the reactions of the mind resulting in ideas of education and culture, of institutions, of the evolution of society, of the organization of society; social concepts; social contributions of various peoples, a statement of current and social problems of the world. (See page 49 for detailed description.) The amount of material is necessarily large. Much reading will be expected. The sources are as much outside of books as within them, therefore a book charge of $10 per year is made for subject material.
Professor Kingsley and Associate Professor Sholes.

21.1 Principles and Methods of Sociology. B

A systematic survey of the fundamentals of society. Treats the social processes, factors, functions, products, and principles. Juniors and Sophomores. (Sociology 11. and permission.)
Book fee, $5.
Associate Professor Sholes.

21.2 Contemporary Social Problems. B

An analysis of social problems theoretically and specifically. Treats social disorganization from the social, physical, mental and cultural sources. Juniors and Sophomores. (Permission.)

Book fee $5.

Associate Professor Sholes.

[31. Evolution of Society. B]

This course is aimed to point out the concept of man as a social being, the beginnings and development of our social inheritance, resulting in group cooperation and organization, the inner-group actions and reactions and the inter-group actions and reactions.

The main problems encountered by man, his concepts of the problems, his attempts to solve the problems of life, his successes and failures, a class evaluation on historical attempts, failures and successes will consume the chief attention of the class.

The chief social problems will be enumerated by the class. Universal laws of mind and of society will be sought. Customs, laws, institutions, will be observed and evaluated.

A book fee of $10 will be charged.

(Sociology 11. and Education 22.2 and permission.)

Juniors and Sophomores.

[Advanced Principles and Problems of Society. B or C]

This course will extend the general principles of society and will more fully analyze the nature of the individual and of the group. The evolution of the individual and of the group will be considered in connection with all principles and problems. Social pathology, social reform and social betterment will be connected with the fundamental study of social laws and forces. There is now a great demand for a more complete knowledge of society. Topics treated: phenomena of the human mind, of social life, social institutions, social bases in nature, the ego, the social person, social order and progress, the organization and working of public opinion, the leading and exploitation of opinion, the transfer of knowledge, elements which strengthen or weaken social organization, conflicting forces in society, social behavior, social control, fixed and changing institutions, social decadence, transformation and reshaping of society, social standards, social groups, social ideas, social economics.

The amount of material used in these courses is necessarily large. The sources are as much outside of books as within them; therefore it is deemed more efficient and economical to make a book charge of $10 per year for this course. This charge will cover all material and books. Sociology 11., 21. or 31. and permission.)

Associate Professor Sholes.

[33.1, .2 The Rise of Man and of His Institutions.]

This course traces the origin of man, his development and tendencies. It treats of man's equipment, physically and mentally, which fits him for social activity. It traces the rise of human mentality, of civilization, of personality, of institutions. It relates the natural impulses

and tendencies of man to social institutions. The object is to correlate man, past and present, and to project him into the future from his present nature, tendencies and conditions. Book charge, $10 a year.

41.1 The Family. C

The family from the point of view of sociology, rather than from the biological and economical aspects. Study of the basic principles of family life, adjustments, modifications and position in the social structure. (Permission.) Book charge, $5.
Associate Professor Sholes.

41.2 Criminology and Penology. C

A study of the weak spot in American institutions. Treats: the physical, mental, hereditary, economic and social factors of crime and the criminal, the history of punishment, modern penal institutions and the machinery of justice. (Permission.) Seniors and Juniors.
Associate Professor Sholes.

42. Social Efficiency and Welfare. C

This problem course is organized to fit students to take an efficient part in society. Professional people, business people, industrial leaders, political leaders demand a certain social understanding and technique. The aim is to have the student coordinate the knowledge and forces of society, to assemble the philosophy, the science, literature and government of our present-day civilization and to resolve these forces in their effects upon society. There will be considered also ideal social organizations, forces and philosophies. The seminar method will be used, the student will be asked to read quite extensively. Several books will be assigned for class reading, while each student will work upon certain problems which are suitable to his training and interests. The class thereby profits by the experience and work of each. Current events will receive special attention. The class is limited to the better students and to a selected number. The amount of material used in these courses is necessarily large. The sources are as much outside of books as within them, therefore it is deemed more efficient and economical to make a book charge of $10 per year for this course. This charge will cover all material and books used.
Professor Kingsley.

Note: For those who wish to do extensive work in Sociology it is suggested that correlation of courses be made between this department and the departments of Biology, Political Science, Economics, History and Education. All those who major in Sociology will be expected to be prepared especially in Social Efficiency 42, in which current problems are treated. Those who desire to register for major work or for honors must secure permission from instructors. It is especially advisable that sociological students know the elements of these courses, especially those in Genetics and Psychology. All extensive work in this department should be planned with the instructors.

SPANISH

Professor CENTENO
Assistant Professor MARTIN

11. ELEMENTARY SPANISH. A

Reading of simple Spanish; oral practice based on the reading text; grammar taught inductively; careful vocabulary building. Spanish is used as the principal means of communication. This course is designed to equip the student with a solid foundation for the more advanced study of spoken and literary Spanish.
Professor CENTENO and Assistant Professor MARTIN.

21. SECOND YEAR SPANISH. A

A continuation of oral practice with a review and more extended treatment of grammar. The subject matter of the texts consists of realia of the Spanish-speaking countries. Outside reading of Spanish newspapers and magazines. Conducted in Spanish. (Spanish 11. or two years of high school Spanish.)
Assistant Professor MARTIN.

31.1 CONVERSATIONAL SPANISH. B

A review of grammar, oral practice based on idiomatic texts and selections of the best Spanish authors, and exercises in free composition. The purpose of this course is to give the student a good command of spoken and written Spanish. Conducted in Spanish. (Spanish 21.)
Assistant Professor MARTIN.

31.2 SURVEY OF SPANISH LITERATURE. B

A general survey course of Spanish literature from the Middle Ages to the end of the Eighteenth Century, including representative novels, plays, and poetry. Lectures and reports by the students on assigned reading. Conducted in Spanish. (Spanish 31.1.)
Professor CENTENO.

41.1 THE MODERN SPANISH NOVEL. C. Grad.

A survey of the principal Spanish fiction writers of today, with a special study of their representative works. Oral discussions and written composition. Conducted in Spanish. (Spanish 31.1.)
Professor CENTENO.

41.2 CONTEMPORARY SPANISH THEATRE. C. Grad.

A survey of the principal Spanish playwrights of today, with a special study of their representative works. Oral discussions and written composition. Conducted in Spanish. (Span. 31.1.)
Assistant Professor MARTIN.

42.1 LITERATURE OF THE GOLDEN AGE. C. Grad.

A general survey of the great Classical period; a study of the chief authors and representative works, with the exception of Don Quijote.

Lectures, collateral reading, class discussions, written and oral reports. Conducted in Spanish. (Spanish 31.1 and 31.2.)
Professor CENTENO.

[42.2 METHODS OF TEACHING SPANISH. C]

General and special principles of methods; standard methods, the reform movement, the teaching of pronunciation, the teaching of grammar, vocabulary building, planning of courses, lesson plans, selection of textbooks, pedagogical principles applied to the teaching of Spanish. Conducted in Spanish. (Permission.)

[43.1 THE SPANISH-AMERICAN NOVEL. C Grad.]

A survey of the principal Spanish-American fiction writers, with a special study of their representative works. Oral discussions and written composition. Conducted in Spanish. (Spanish 31.)

[43.2 ADVANCED COMPOSITION. C. Grad.]

A practical course in the fundamentals of composition; rhetoric and literature, paragraphs, sentences, words, description, narration, figures of speech, exercises in free composition, translation and essay writing. (Spanish 31.1.)

44. SPANISH CIVILIZATION. C. Grad.

The aim of this course is to equip the student with a good understanding of the Spanish character and of Spain's contribution to the world's civilization. A general study of the geographical ethnical, historical, political, literary, and artistic evolution of Spain, together with a study of its most important traditions and customs, will constitute the subject matter of this course.
Professor CENTENO.

45. SPECIAL COURSES. C. Grad.

Open to properly qualified students. Recommended for candidates for the Master's Degree and for Seniors seeking honors in Spanish. (Span. 31.1.) (Permission.)
Professor CENTENO and Assistant Professor MARTIN.

GRADUATE WORK

MIDDLEBURY COLLEGE provides courses in many departments for students desiring to pursue a Master's degree. Correspondence should be directed in 1933 and 1934 to Prof. Harry G. Owen, Chairman of the Committee on Graduate Work.

The degrees of Master of Arts and of Master of Science may be attained by graduate work completed during the regular college year, or at the Summer Sessions, in accordance with the following regulations:

1. The candidate must have a baccalaureate degree from this College, or from another institution whose course of study and requirements for graduation are approved by the Committee on Graduate Work.
2. Candidates should register during the first week of either semester, or during the first week of the Summer Session. A renewal of all existing registrations must be made at the beginning of each college year.
3. To obtain the degree of Master of Arts, or Master of Science, one full year in residence and the completion of work equivalent to thirty semester hours will be necessary. This requirement of residence may also be met by attendance at the Summer Sessions. Not more than eight semester hours may be secured at a single Summer Session; and not more than six semester hours in a European Section of the Summer Session.
4. To obtain either of the advanced degrees two-thirds of the required work must be completed at Middlebury College.
5. Candidates for the Master's degree shall present to the Committee on Graduate Work for its approval a statement of the intended course of study, with the written approval of the head of the department in which the major work is to be undertaken.
6. The major work of the candidate must be undertaken in some department in which there have been completed undergraduate courses of study of such advanced grade as to satisfy the department of his fitness to enter upon graduate work.
7. One-half of the required work or, at the discretion of the head of the department, two-thirds, must consist of graduate studies or investigations prescribed by the department in which the major work is undertaken; the remaining part may be pursued in courses of graduate grade recommended by the department. A minimum grade of 80 percent shall be maintained in all the courses counting towards the degree.
8. Graduates of Middlebury College who have to their credit graduate courses taken in undergraduate years and not counted toward a

baccalaureate degree may, subject to the approval of the head of the department concerned, count fifteen semester hours toward an advanced degree, provided these courses are in subjects related to the department in which major work for the advanced degree is to be done. Subject to the same requirements, graduates of other recognized colleges may count towards the Middlebury degree similar graduate courses completed in undergraduate years and not counted towards the baccalaureate degree.

9. Graduate work done in other institutions, and presented for transfer credit towards the Middlebury Master's degree, must be acceptable towards the same degree at the institution where the work was done.

10. No courses counted in conferring a first degree at Middlebury College, or elsewhere, shall be accepted for a second degree.

11. A Senior who has satisfied all the requirements for the baccalaureate degree at the end of the first semester may continue his study towards the Master's degree during the second semester. Such a student shall be considered a graduate student and his program of study must conform to the regulations governing graduate work.

12. Besides the regular examination, the candidate must be examined in the subject chosen for the major study, and, at the discretion of the department in which the work is done, may be required to present a thesis.

13. The degree shall be conferred either at the Commencement or at the Summer Session following the completion of the work.

14. The regular tuition fees for undergraduate work are charged. An additional fee of $15 is required for the final examination and the diploma.

THE DOCTORATE IN MODERN LANGUAGES

Besides the Master's degree, the Middlebury Summer Schools of French, Spanish, and German now offer an advanced degree: The Doctorate in Modern Languages (D.M.L.), full details concerning which may be found in the Summer School bulletins of the Schools concerned. The principal requirements are:

1. The Master's degree with a language major from some recognized university.

2. Residence at the Summer Sessions of Middlebury College equivalent to five-year courses of thirty credits. This will ordinarily require four summers' residence at Middlebury, but the basis of the requirement is chiefly the fulfillment of a program, not merely a given total of points. The student will be required to complete the main lines or groups of our curriculum—Stylistics, Phonetics, Realia, Teaching Methods, Literature, and Philology. A minimum of twenty credits over and above the credits necessary for the M.A. must be

secured in residence at Middlebury; a maximum of ten credits may be transferred.

3. Two semesters' residence in the foreign country of the major language. This time should be spent in study in approved courses amounting to or equivalent to twelve hours a week (or 24 semester hours) of class exercises. The work must be done according to a plan previously approved by the Dean of the respective School, and the final results must also be approved by him. Work done in a foreign country prior to the student's enrollment as a candidate for the D.M.L. cannot be accepted. Summer Sessions may not be substituted for the requirement of two semesters' foreign residence.

4. A major language (French, Spanish or German).

a. A thorough knowledge of and the ability to use the spoken and written language, tested by an oral and written examination.

b. A thorough study of and training in phonetics. Candidates will be required to do at least one summer's work in the phonetics laboratory, and to write a report on their research.

c. A scientific study of modern methods of teaching foreign languages. Note: Besides attendance in the courses of methods at Middlebury, candidates will be required to teach at least one year under supervision. Statements will be requested from superintendents of schools, heads of departments, and others as to the success of the candidate's teaching and professional ability. No student will be granted the D.M.L. who cannot be unqualifiedly recommended as an experienced and successful teacher of the language.

5. A final oral examination conducted entirely in the major language, before a board including native members of the faculty; this examination to cover all elements of the candidate's preparation—phonetics, pedagogy, literature, etc. (This training should include a certain amount of philological preparation—Old French or Old Spanish, Phonology, Morphology, etc., but these subjects should be studied not *in se* and *per se,* but always with the idea of the help they may afford to the knowledge and teaching of the modern languages.)

6. A minor language (preferably another Romance Language). This will be tested by an oral and written examination. The candidate's knowledge of the language should be sufficient at least to teach successfully the elementary courses in the language. In addition, a reading knowledge of German will be required, as a guarantee of the ability to use German texts or editions.

7. A dissertation written in the major language. This dissertation, which should approximate 35,000 words, is intended to prove a thorough and understanding study of some subject, literary, phonetic, or pedagogical, which is worth a careful study. It must embody considerable original work and reflection must show a mastery of the field, clearness of thought, and must be written in correct and easy style. The subject must be chosen and the preparation continued under the guidance of some member of the Middlebury faculty.

SCHOLARSHIPS

THE College has a number of student benefits, many of them given in early years at great self-sacrifice on the part of the donors. The income of these funds is expended exclusively in payment of the tuition, in part, of needy and deserving students of good deportment and application. When the number of students was much smaller, these funds allowed a somewhat more liberal bestowment of beneficiary aid than is now possible. *It is not expected that those whose circumstances admit the full payment of college bills will apply for college assistance.* It is earnestly desired, however, that, where need requires, those who might not otherwise be able to receive a college education will apply for aid from this source. The College has a long record of special encouragement to those who are obliged to secure an education largely through their own efforts. Correspondence concerning scholarships should be directed to the Dean of the Women's College, who will furnish blanks for applications.

Scholarships may be forfeited at any time during the course through negligence or misconduct. If a student fails in any semester to have a passing grade in four courses of which three shall be at least 70 percent grade, any scholarship allowance for that semester is thereby forfeited.

If a student who has had the privilege of a scholarship leaves Middlebury to transfer to another institution, she will be required to pay the full amount of back tuition.

Among the student benefits dispensed by the College is the income from the following funds:

THE EMMA WILLARD SCHOLARSHIP, $2,000, established in 1895 by the Emma Willard Association, for the benefit of deserving young women. (*The holder of this scholarship receives supplementary scholarship bringing the total up to $300, or remission of tuition. For seniors only.*)

THE JOSEPH BATTELL SCHOLARSHIPS, $500 annually, for young women of Addison County.

THE CHARLES A. FIELD SCHOLARSHIP, $300, given by the village of Proctor, Vt., "as a memorial of regard for Fletcher Dutton Proctor

and of gratitude to him, and for courtesies received at the hands of other residents of said village."

The John A. Howe Scholarships, $3,000, bequeathed by John A. Howe, Esq., class of 1853; the income first available for his descendants, and then under certain conditions for students from Poultney.

The Windham County Congregational Conference Scholarship, $600.

The Asa Wheelock Scholarships Fund, $5,000, established under the will of Charles B. R. Hazeltine of Arlington, Mass., the income first available for students from the town of Wardsboro, Vt., and then from other small country towns in the State.

The Jonathan Coleman Southmayd Scholarship Fund, $5,500, established by Hon. Redfield Proctor, in 1922, its income first available for students (men or women) from Proctor.

The Agnes Warner Sunderland Fund, $3,000, established by Edwin S. S. Sunderland, Esq., class of 1911, the income from which is first available for the assistance of students (men or women) from Cornwall.

The Charles B. R. Hazeltine Fund, $14,043, established in 1923 "for assisting worthy students."

The John W. Rowell Fund, $2,000, established by the late Chief Justice Rowell.

The President's Purse, $10,000, established by Mr. Charles M. Swift, the income to be disbursed at the discretion of the President.

The Dutton Fellowships, established in 1926 by Hon. Redfield Proctor for five years, were continued in 1932 with revisions made by the original donor. The Fellowships now provide $1,200 to $1,500, according to the conditions of the time and the estimated requirements. In any given year they may be awarded to men or women as the Scholarship Committee may consider best, but over a period of years a majority of the recipients will be men. The Fellowships shall be used to defray, so far as possible, the expenses for one year of post-graduate study in some institution in Europe approved by the committee. The recipients shall have a definite program and be regularly enrolled in classes for at least a majority of their time in Europe. If, in the judgment of the committee, there should be only one desirable candidate, the second fellowship need not be awarded.

The basis for award is similar to that of the Rhodes Scholarships, high standing being considered in connection with College leadership and interest in out-door sports and life. It is understood that this year of graduate work shall not be toward a professional career, such as Law, Medicine or Theology, nor continued at Middlebury. The judges consist of one member of the trustees chosen by the trustees, one member of the faculty chosen by the faculty, and the President of the College.

THE WILLIAM W. GAY FUND, $5,000, established in 1929 by the gift of Mrs. Frederic F. Van de Water, Jr., in memory of her father, William W. Gay, class of 1876.

THE HERBERT K. TWITCHELL FUND, $2,000, established in 1929 by a bequest received under the will of Mr. Twitchell for students from Vermont, preferably Addison County.

THE CORNELIA W. BAILEY FUND, $33,500, established in 1929 under her will for students of the Protestant faith, residing in Vermont.

GEORGE W. ELLIS FELLOWSHIPS

Two fellowships, each with an annual value of $1,600, were established at Columbia University in 1931, under a provision in the will of George W. Ellis, to be open primarily to residents of Vermont or to the graduates of Middlebury, Norwich, and the University of Vermont.

The fellowships are awarded to qualified men or women for pursuing advanced or graduate study in any of the faculties or schools at Columbia. Information on this fellowship may be secured from Prof. H. G. Owen.

STATE SCHOLARSHIPS

THE College receives from the State of Vermont an annual appropriation of $7,200 for the payment to the amount of $120 annually of the tuition and incidental college charges of sixty students, two being appointed each year by each Senator in the General Assembly, from his respective county, provided any suitable candidate should apply therefor; otherwise from any county in the State.

Any Vermont student desiring to take advantage of a State scholarship should apply to one of the Senators of the county in which she resides, and the Senator may thereupon give her a certificate of appointment. Should the Senators in the applicant's county already have made appointments, the student should immediately apply to the Dean, as there may be a vacancy from some other county of which the applicant may avail herself. Incoming Freshmen should make such application to the Director of Admissions.

The same regulations as to forfeiture through misconduct, poor scholarship, or unsatisfactory attendance apply to State scholarships as to student benefits owned by the College.

MEMORIAL LOAN FUND

MARTHA JEWETT NASH STUDENT LOAN FUND, $3,000, received in 1923 from a friend, "The principal to be safely invested, the income and accretions to be loaned, under certain conditions, to women students of the college."

PRIZES

The Deacon Boardman Peace Prize. Established in memory of Samuel Ward Boardman (1789-1870). An annual prize of $20 to the member of the Junior class submitting the best essay in favor of peace, and in opposition to war as a method for settling international differences. The essay must be creditable as a literary composition and consist of at least 2,000 words.

The Kellogg Latin-English Prize. Established by gift of Prof. Brainerd Kellogg, LL.D., Litt.D., of the class of 1858, Trustee, "to encourage Latin and English." Twenty dollars are awarded annually to the two best examination papers on Horace.

The Mortar Board Cup. Presented annually to that sophomore woman who in the opinion of the Chapter has shown the greatest interest in college by participation in extra-curricular activities and by attainment of high scholarship.

The Woolsey Prize, established by the late Col. Theodore S. Woolsey, Jr., B.A., M.F., 1933. Twenty-five dollars will be awarded to the undergraduate writing the best examination in Bible.

The Optima Prize. In memory of Henry Hobart Vail, for many years a trustee of the College, and in appreciation of the benefits derived by their daughter, Catherine, during her years at Middlebury, Mr. and Mrs. Roger S. Baldwin have established a permanent foundation of $6,000, the income from which will provide a $220 award to be known as the Optima Prize and given yearly to the Junior in the Women's College who, in the judgment of her class, is most typical of Middlebury. Selection for the award will be based on scholarship, character, and personality, and the junior women will have the deciding vote as to which one of their classmates is worthy of the prize. The award is made each spring and became operative with the class of 1929, of which Catherine Baldwin, now Mrs. Roger Keeny, of Grand Rapids, Michigan, was for two years a member. An additional fund of $1,000 was also given for the purpose of supplying sufficient income to cover the cost yearly of a Gold Pin to be given the winner of the Optima Prize.

THE ASSOCIATED ALUMNI

ESTABLISHED in 1824, the Associated Alumni has had a continuous existence of over a century.

Where in the past this organization has played only a social part, in striving to keep the graduates of the College interested in each other and in the College itself, its aims now tend toward a more active part in the life of the College. Consequently this Association purposes not only to bind its members in closer bonds of loyalty and affection, but to be of material assistance in the forwarding of the plans and projects of the administration.

The business of the Association is conducted through the office of the Secretary, who is also Director of Admissions and Personnel. Addresses of graduates and former students and biographical information regarding them are filed in that office and are available upon request.

The division of Districts is as follows:

Region No. 1

A. Middlebury District—Northeastern New York State, Vermont (except the southernmost portion), and northern New Hampshire. District Center, Middlebury.

B. Boston District—Maine, southeastern New Hampshire, eastern Massachusetts and Rhode Island. District Center, Boston.

C. Springfield District—Southwestern New Hampshire, southeastern Vermont, the balance of Massachusetts, and that section of Connecticut, including Hartford, which is nearer to Springfield than to New Haven. District Center, Springfield.

Region No. 2

A. New Haven District—Including the balance of Connecticut. District Center, New Haven.

B. Albany District—Eastern New York State, southwestern Vermont, and a small part of western Massachusetts. District Center, Albany.

C. New York City District—New York City, New Jersey, parts of New York State contiguous and a small part of Connecticut. District Center, New York City.

Region No. 3

A. Buffalo District—Remainder of New York State, Ohio. District Center, Buffalo.

B. Washington District—Pennsylvania, Delaware, and Southern States to the Mississippi. District Center, Washington.

C. Chicago (Western) District—Remainder of the United States and all foreign countries. District Center, Chicago.

The officers of the Associated Alumni are:

National President—EDGAR R. BROWN, '93, St. Johnsbury, Vt.
Term: 1 year

District Presidents:

Region I. Term: 3 years

Middlebury District: D. S. Atwood, '13, St. Johnsbury, Vt.
Boston District: A. W. Furber, '20, Boston, Mass.
Springfield District: P. E. Fellows, '20, Hartford, Conn.

Region II. Term: 2 years

New Haven District: H. C. Tong, '01, New Haven, Conn.
Albany District: W. R. Wells, '30, Schenectady, N. Y.
New York City District: E. S. S. Sunderland, '11, New York City

Region III. Term: 1 year

Buffalo District: C. H. Wright, '16, Cleveland, Ohio
Washington District: F. J. Bailey, '01, Washington, D. C.
Chicago (Western) District: S. B. Pettengill, '08, South Bend, Ind.

National Secretary—Edgar J. Wiley, '13, Middlebury, Vt.
Term: 1 year

Alumni Trustees:

Region 1. Term: 3 years

Homer L. Skeels, '98, Montpelier, Vt.

Region II. Term: 2 years

Carl A. Mead, '91, New York City

Region III. Term: 5 years

Samuel B. Pettengill, '08, South Bend, Ind.

Alumni Trustees-at-Large:

J. Earle Parker, '01 (1 year), Boston, Mass.
Ellsworth C. Lawrence, '01 (4 years), Malone, N. Y.

ALUMNI AND ALUMNAE ASSOCIATIONS

THE officers of the various Alumni and Alumnae Associations, as reported for the year 1933-34 are as follows:

The New York Association

President and Toastmaster, E. S. S. Sunderland, '11; Executive Committee, H. V. Brooks, '28, Chairman; F. R. Clement, '27; F. Gruggel, '29.

The Boston Association

President, Alan W. Furber, '20; Vice-President, Mrs. C. H. Paulsen, '18; Secretary and Treasurer, Kendall S. McLean, ex-'13; Executive Committee, O. K. Collins, '02, Cyril Shelvey, '23.

The Alumnae Association

President, Mrs. Marjorie Lee Selden '16; Vice-President, Mrs. Katherine Hurd Harris, '18; Secretary and Treasurer, Frances H. Warner, '05; Executive Committee, Geraldine G. Griffin, '31, Mrs. Ruth Norton Stewart, '15.

The Worcester County (Mass.) Alumnae Club

President, Marion J. Janes, '24; Vice-President, Emeline Amidon, '29; Secretary, Grace E. Cheney, '29; Treasurer, Marion G. Cruikshank, '30.

The Connecticut Alumni Association

President, Henry C. Tong, '01; Secretary and Treasurer, Helen C. Prageman, '23.

The Chicago Association

President, S. B. Pettengill, '08; Vice-President, Mrs. Walter Fuller, '01; Secretary and Treasurer, Mrs. Gwendoline Morris Barnes, '10.

The Ohio Association

Executive Committee, Don Belden, '19, and Guy N. Christian, '20.

The Washington, D. C., Association

President, Frederick J. Bailey, '01; Vice-President, Mrs. Martha E. M. Miller, '10.

The Buffalo Association

President, Thomas H. Noonan, '91; Secretary and Treasurer, Linwood B. Law, '21.

The Albany Club

President, W. Raymond Wells, '30; Vice-President, W. H. Hammersley, '04; Secretary and Treasurer, S. J. Thompson, '23.

The Philadelphia Association

President, Walbridge B. Fullington, '20; Secretary and Treasurer, William H. Lawton, '23.

The New York Alumnae Association

President, Miss Eleanor Sprague, '25; Vice-President, Miss Helen McNulty, '23; Secretary, Miss Ruth Jackson, '26; Treasurer, Miss Beatrice Winch, '27.

The California Association

President, Robert B. Brown, ex-'20; Secretary, Mrs. Winifred Jeffords Waldo, '17.

PRIZE AWARDS IN 1933

The Dutton Fellowship
Amy Louise Niles

The Optima Award
Glenna May Bump

The Kellogg Latin-English Prize
Marjorie Irene Clark
Marjorie Charlotte Leafe

Emma Willard Scholarship
Anna Alila Tuthill

Woolsey Prize
Margaret Cherrill Coley

Mortar Board Cup
Faith Arnold

DEGREES CONFERRED IN 1933

HONORARY DEGREES

DOCTOR OF LAWS

John H. Finley
New York City

DOCTOR OF DIVINITY

Chauncey A. Adams
Waterbury, Vermont

DOCTOR OF LETTERS

Everett V. Meeks
New Haven, Conn.

DOCTOR OF PEDAGOGY

Ozias D. Mathewson
Lyndonville, Vermont

DOCTOR OF SCIENCE

John M. Wheeler
New York City

MASTER OF ARTS

Margaret Widdemer
New York City

DEGREES IN COURSE

WITH COMMENCEMENT APPOINTMENTS
June 12, 1933

MASTER OF ARTS

Elena Araujo, Colegia Internacional, Barcelona
Luella Lucie Cassidy, University of Vermont
Sarah Miller, Hunter College
Sophie Barbara Novak, Keuka College
Stella Adelaide Putnam, N. Y. State College for Teachers
Nannie Louise Skannal, Baylor University

BACHELOR OF ARTS

Miriam Inez Barber
Eloise Clark Barnard
Rachael Sophia Booth
Hazel Alice Brown
Dorothy Gladys Burgess
Barbara Lila Butterfield†
Alice Rutherford Collins
Dorothy Porter Cornwall†
Grace Banister Covey
Frances Davis
Harriet Bedford Douglas
Mary Elizabeth Duryee†
Helen Maria Easton
Margaret Belle Eaton
Marie Josephine Ernst†
Marguerite Climena Foster†
Altha Jeannette Hall†
Elizabeth Hamlin†

Marjorie Elizabeth Haynes†¶[4]
Alice Lawrence Heald
Marion Elizabeth Holmes
Elizabeth Halladay Hunt†
Dorothy Grant Kennedy†
Lois Wardlaw Lewthwaite†[5]
Ruth Ingersoll McKinnon†¶§
Carol Hurd McNeely
Zavart Markarian†¶
Florence May Martin†
Anna Charity Mead
Gladys Ethel Mountford
Frances Lee Mullans†¶
Elizabeth Ada Nesbitt†
Amy Louise Niles‡¶‖[2]
Ruth Nodding
Mary Katharine Omwake
Janette Breed Phelps
Annie Esther Phillips†
Joan Carr Rowland
Margaret Theresa Ryan
Helen Lucilla Sheldon
Julia Charlotte Sitterly†¶[6]
Elizabeth Spencer
Janet Elizabeth Stainton
Barbara Jane Truman
Alice Louise Washburn†
Dorothy Bessell Wheaton†¶

28

BACHELOR OF SCIENCE

Marian Edna Ball
Doris Ruby Barnard
Ruth Lincoln Berry†[3]
Dorothy Ann Britnell
Catherine Tripp Centeno
Elizabeth Collamore Chase‡¶
Elly Delfs
Rachel Caroline Heald†[1]
Marguerite Frances Hunold
Faith Kellogg‡[3]
Virginia Amy Kent
Bertha Layton McKenzie†¶
Ruth Helen McMenemy
Rose Mary Miller
Margaret Menzies Scott[7]
Elaine Louise Updyke
Virginia Carver Whittier
Grace Emma Wilder†¶

‖ Valedictory Honors.
§ Salutatory Honors.
¶ Phi Beta Kappa.
‡ Degrees conferred *magna cum laude.*
† Degrees conferred *cum laude.*

[1] Honors in Chemistry.
[2] High honors in English.
[3] Honors in English.
[4] Honors in French.
[5] Honors in Home Economics.
[6] High Honors in Music.
[7] Honors in Sociology.

NEEDS OF THE COLLEGE

APART from the constant need of increased endowment the most pressing needs of the College are:

1. Dormitory facilities. The present cottages used as dormitories and located in the town are undesirable for permanent college usage. With the institution of segregation, a policy permitting greater enrollment will be faced, making the construction of a new dormitory imperative.

2. Adequate recitation facilities. The Old Chapel, in use since 1836, is insufficient and unsuitable for recitation purposes. The present method of using the Warner Science and the Chemistry Building for non-laboratory purposes is undesirable. A recitation hall could be built for $200,000 and would release the Old Chapel for purely administrative purposes.

3. Adequate athletic facilities. A complete equipment with all modern facilities could in all probability be secured for $400,000 but the contemplated plan calls for building this in units which can be added as funds are secured, in amounts from $150,000 up. The present Gymnasium could become an assembly hall, a much needed unit at present.

Dormitory	$280,000
Recitation Hall	200,000
Gymnasium	400,000
	$880,000

FORMS OF BEQUEST

THE corporate title of Middlebury College is "The President and Fellows of Middlebury College."

The following forms are suggested:

I give and bequeath to "The President and Fellows of Middlebury College," a corporation of the State of Vermont, the sum of————————dollars, to be used by the Trustees of said College for such purposes and in such manner as they shall deem appropriate.

I give and bequeath to "The President and Fellows of Middlebury College," a corporation of the State of Vermont, the sum of————————dollars, to be invested by the Trustees of said College, and the income thereof to be applied to the uses of said College in accordance with the terms of its charter.

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